April 16, 1929. G. A. WOODMAN 1,708,993

CAR TRUCK PEDESTAL

Filed Sept. 10, 1926

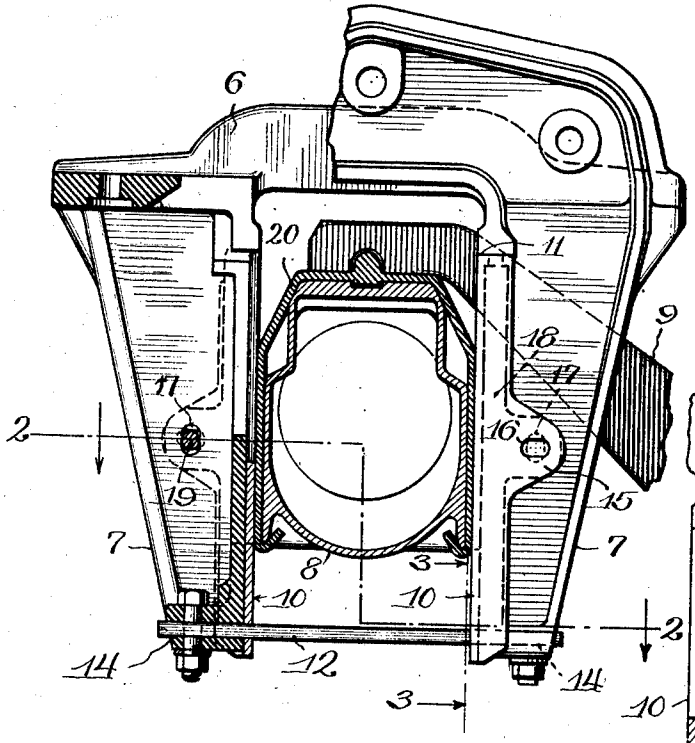


Fig. 1

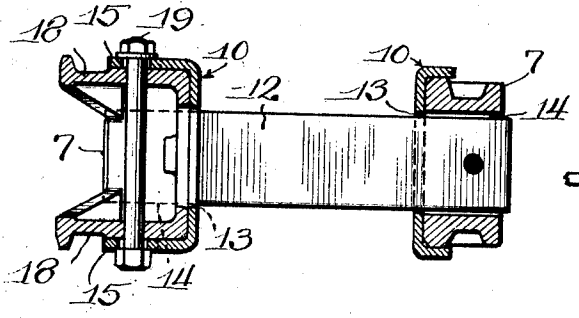


Fig. 2

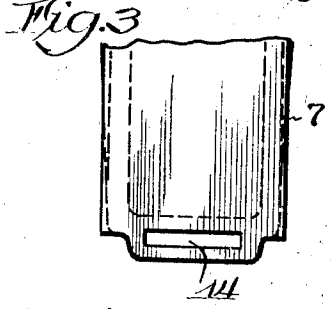


Fig. 3

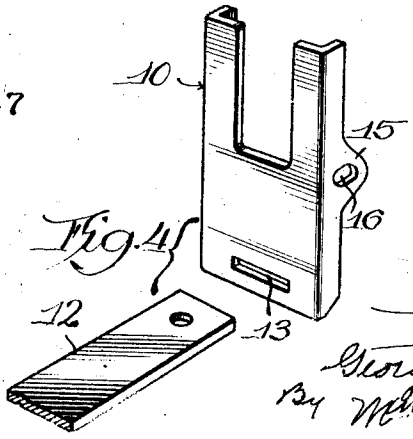


Fig. 4

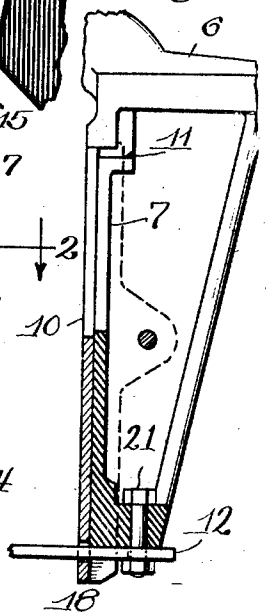


Fig. 6

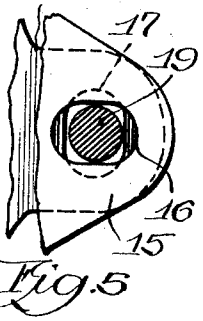


Fig. 5

Witness:
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By Mck O'Brien Atty.

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UNITED STATES PATENT OFFICE.

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CAR-TRUCK PEDESTAL.

Application filed September 10, 1926. Serial No. 134,589.

The object of this invention is to provide an efficient liner of novel construction for car truck pedestals and which is wear-resistant and can be manufactured at comparatively low cost.

Another object is to provide simple means for retaining the liner on the pedestal and for holding the liner in fixed position against movement on the pedestal.

And a further object is to provide the pedestal jaws and the journal box with liners consisting of alloy steel castings which do not require machining, are wear-resistant, and give efficient service.

In the accompanying drawings illustrating a selected embodiment of the invention:

Fig. 1 is an elevation showing the pedestal partly in section and also showing the journal box in section.

Fig. 2 is a sectional view of the pedestal on the line 2—2 of Fig. 1.

Fig. 3 is an elevation of a part of the pedestal as it appears on the front of the line 3—3.

Fig. 4 is a perspective view of a pedestal liner and a portion of the tie-bar.

Fig. 5 is an enlarged detail sectional view showing the means for retaining the liner on the pedestal.

Fig. 6 is a detail view of a modification.

Referring to the drawings 6 is the pedestal having the jaws 7, 7, 8 is the journal box, and 9 is the equalizer bar. A channel shaped liner 10 consisting of an alloy steel casting is arranged on the face of each pedestal with its upper end engaging the shoulder 11. The tie-bar 12 projects through a slot 13 in the liner and the slot 14 at the bottom of the pedestal jaw. The liner has ears 15 projecting from its sides and these ears have elongated slots 16 to register with elongated slots 17 in parallel flanges 18 on the pedestal jaw. A bolt 19 passes through the openings 16 in the ears and the openings 17 in the flanges to retain the liner on the jaw. The slots 16 are arranged transversely of the slots 17 to provide for a variation in fit between the liner and the jaw and yet enable the bolt to be readily inserted in the openings. Thus the liner is retained on the jaw by the bolt and is held against up and down movement on the jaw by the shoulder 11 and the tie-bar 12 so that the liner will be secured in rigid position and thus avoid rattling and prevent the wear which would result if the liner were loose. The journal box is also provided with a liner 20 which can be made in one or in a plurality of parts as more fully set forth in my companion application, Serial No. 134,588, filed concurrently herewith. The journal box liner also consists of an alloy steel casting, or a plurality of castings as the case may be, and the liners on the pedestal engage the liners at the sides of the box and work against each other during the service of the car truck. The alloy steel casting is hard and wear-resistant, it can be made so well finished that no machining is necessary, and therefore the cost of manufacture can be kept down notwithstanding the relatively high priced material used. Both the pedestal and the box are protected by liners, which will prevent wear upon the pedestal and upon the box and prolong the service thereof accordingly, and since the liners are hard and wear-resistant they will provide prolonged service; but the liners, or any of them, can be easily replaced whenever it becomes necessary. I prefer to make the pedestal liners harder than the journal box liners. Some pedestal jaws are not provided with slots 14 for the tie-bar as shown in Figs. 1–3, but the tie-bar is fastened to the jaws by bolts 21, as shown in Fig. 6.

I have shown the invention in a simple embodiment for actual commercial use but I reserve the right to make any changes therein which may be necessary to adapt the invention for different installations and which come within the scope of the following claims:

I claim:

1. A car truck pedestal comprising jaws adapted to receive a journal box therebetween, shoulders on the jaws, liners arranged on the jaws against said shoulders, said jaws and liners having slots therein at their lower ends, a tie-bar passing through the slots in the jaws and the liners for holding the liners on the jaws and against said shoulders, and means passing through the sides of the liners and of the jaws for fastening the liners to the jaws.

2. A car truck pedestal comprising jaws adapted to receive a journal box therebetween, liners on the jaws and having ears at the sides thereof, said ears and said jaws having elongated slots with the slots in the ears and the slots in the jaws arranged trans-

versely of each other, and bolts passing through said slots for retaining the liners on the jaws.

3. A car truck pedestal comprising jaws adapted to receive a journal box therebetween, liners arranged on the jaws, side ears on the liners, and means passing through the ears and the jaws for retaining and securing the liners on the jaws against relative movement.

4. A car truck pedestal comprising jaws having parallel flanges, liners consisting of alloy steel castings on the jaws, bolts passing through said flanges and castings for retaining and securing the liners on the jaws against relative movement, a journal box between the jaws, liners consisting of alloy steel castings on the journal box at the sides and top thereof and engaging the liners on the pedestal.

5. A car truck pedestal comprising jaws, a journal box between the jaws, liners on the opposing faces of the jaws, and liners on the sides of the box engaging the liners on the jaws, said liners consisting of alloy steel castings, and the pedestal liners being harder than the box liners.

6. A car truck pedestal comprising jaws adapted to receive a journal box therebetween, shoulders on the jaws, liners arranged on the jaws against said shoulders, said liners having slots therein at their lower ends, a tie bar passing through the slots in the liners for holding the liners on the jaws and against said shoulders, means for securing the tie bar to the pedestal, ears on said liners, and bolts passing through said ears and jaws for securing the liners to the jaws.

GEORGE A. WOODMAN.