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M. WOJTOWICZ

2,556,952

TOY AND MODEL RAILWAY CAR TRUCK

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Fig. 1.

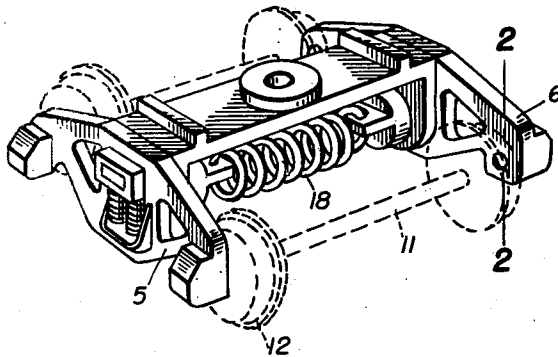


Fig. 3.

Fig. 2.

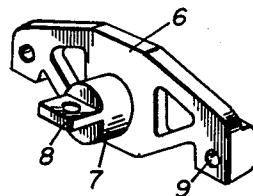
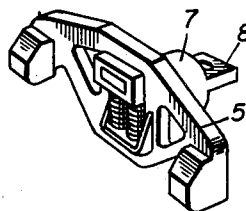
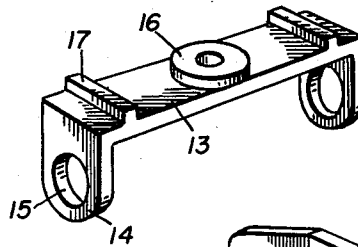
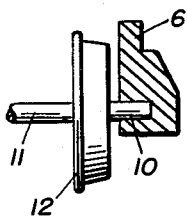
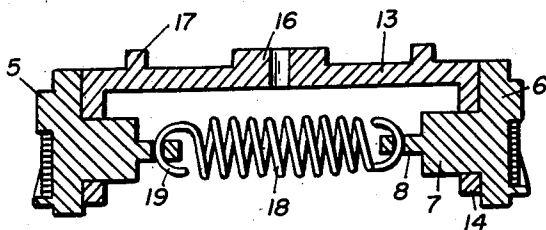


Fig. 4.



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TOY AND MODEL RAILWAY CAR TRUCK

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2 Claims. (Cl. 46—218)

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The present invention relates to new and useful improvements in wheel trucks for toy and model railway cars and has for its primary object to provide a structure of this character whereby the parts of a truck may be easily and rapidly assembled without use of screws or other fastening devices.

A further object of the invention is to provide a toy railway truck embodying means whereby the axles and wheels may be quickly assembled and removed without requiring disassembly of the entire truck.

A still further object is to provide a toy railway car truck in which side frames are provided and secured to each other by a retractible coil spring together with a bolster which is pivotally mounted on the side frames whereby to provide greater flexibility of movement of the beveled parts of the truck.

A still further object is to provide a device of this character of simple and practical construction, which is efficient and reliable in operation, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of the truck in assembled position;

Figure 2 is a fragmentary sectional view taken on the line 2—2 of Figure 1 and showing the journal for one end of one of the axles;

Figure 3 is a group perspective view of the side frame and bolster, and

Figure 4 is a transverse sectional view.

Referring now to the drawing in detail, wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention, the numerals 5 and 6 designate a pair of side frames, preferably constructed of cast metal, each of said frames being formed with a horizontally projecting annular boss 7 on its inner side and with the end of the boss formed with an apertured tongue 8.

The inner surface of each frame at the ends thereof is formed with recesses 9 in which the outer ends 10 of an axle 11 is journaled, the axle having the flanged wheels 12 cast therewith in the usual manner.

An inverted U-shaped bolster 13 includes downwardly extending flanges 14 at its end hav-

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ing openings 15 therein which are pivotally mounted on the bosses 7. The bolster is formed on its upper surface with an apertured boss 16 in which a toy railway car (not shown) is mounted and the upper surface of the bolster is also formed with longitudinally extending ribs 17 on which the body of the car is supported.

A retractible coil spring 18 has its ends engaged in the apertured tongues 8 of the truck frames 5 and 6 as shown in Figures 1 and 4 of the drawing, the spring having hooked ends 19 to facilitate engagement with the openings in the tongues for assembly and disassembly of the parts.

In assembling the truck the flanges 14 of the bolster 13 are mounted on the bosses 7 of the trucks 5 and 6 and the hooks 19 of the spring 18 are then engaged in the tongues 8 to draw the frame inwardly against the sides of the bolster as shown in Figure 4.

The ends of the frames 5 and 6 may then be spread apart to receive the ends 10 of the axle 11 which are then journaled in the openings 9 of the frames.

The spring connection between the frames 5 and 6 provides flexibility and motion of the frames laterally and the tension of the spring will draw the frames against the sides or flanges 14 of the bolster to prevent rubbing or binding of the wheels 12 against the inner sides of the frames. The pivotal movement of the bolster 13 on the bosses 7 will enable the body of the car to be maintained horizontally regardless of irregularities in the track on which the car is traveling.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

I claim:

1. A model railway car truck comprising a pair of parallel side frames, circular bosses projecting horizontally from the inner surfaces of said frames, an inverted U-shaped bolster having a hole through each of its legs, said holes fitting around said bosses to pivot the bolster on the bosses, a resilient member stretched be-

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tween and connecting the bosses to yieldably secure the frames against the bolster, and axles journaled in said frames for mounting track engaging wheels.

2. A model railway car truck comprising a pair of parallel side frames, circular bosses projecting horizontally from the inner surfaces of said frames, an inverted U-shaped bolster having a hole through each of its legs, said holes fitting around said bosses to pivot the bolster on the bosses, a resilient member stretched between and connecting the bosses to yieldably secure the frames against the bolster, said frames having recesses in their inner surfaces adjacent the ends of the frames to rotatably receive the ends of axles therein for mounting track engaging wheels.

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