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STEERING UNIT FOR TOY TRUCKS
AND CARS

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3 Claims. (Cl. 46—221)

My invention relates to toys and has as one of the principal objects thereof the provision of a toy equipped with a steering device so constructed and arranged whereby the toy may be remotely steered.

Another object of my invention is to provide a device of the character described which is simple in construction, durable in use, efficient in operation and economical in manufacture.

Other objects and advantages will be apparent from the following description, appended claims and annexed drawing.

Referring to the drawing wherein like reference characters designate like parts throughout the several views:

Figure 1 is a side elevation, partly in sections, of a toy equipped with my invention.

Figure 2 is a perspective view of my invention.

Figure 3 is a fragmentary perspective view of a pair of the links in disassembled relation.

In practicing my invention, as illustrated in the drawing, I provide a toy dump truck 5 equipped with a chassis 6 mounted on a rear axle 7 provided with rear wheels 8. The front of the chassis 6 has fixed thereto cab and hood sections 9 and 10 respectively and with said sections provided with the usual side walls, one of which is indicated at 11.

The front end of the section 10 has fixed to its side walls angularly disposed end portions 12 of a transverse member or plate 13. The member 13, between said portions 12, has extending therethrough a king pin or pivot 14. Subjacent the member 13, I provide a cross member or plate 15 which is maintained in spaced relation with the member 13 by means of a bearing block 16. The pin 14 extends through the block 16 and member 15 and pivotly connects the members 13 and 15 together for pivotable movement thereby enabling the member 15 to pivot with respect to the chassis 6.

The member 15 is formed with right angularly disposed depending end portions 17 having extending through their lower ends a front axle 18 on which is rotatably mounted the front wheels 19 of the truck. The member 15 is fashioned, between the end portions 17, with a rearwardly extending section 20 terminating in an upwardly disposed ear 21 for engagement with the member 13 to limit the pivotable movement of the member 15, as clearly illustrated in Figure 2 of the drawing.

The member 15, adjacent one of the end portions 17, has pivoted thereto the front end of a link 22, the rear end of which is pivotly con-

nected to the outer end of a substantially transversely and horizontally extending portion 23 of an arm 24 by means of a bolt and nut 25. The inner end portion 26 of the arm 24 is right angularly related with respect to the portion 23 and extends upwardly through a bearing 27 carried by a transverse plate 28 secured to the side walls 10 and under the seat of the cab section 9 as illustrated in Figure 1 of the drawing. The upper end of the portion 26 of the arm extends through a bearing 29 carried by a plate 30 secured to the roof of a cab section 9 and terminates in an eye 31.

The eye 31 has connected thereto a similar eye 32 formed on the lower end of a rod 33, the upper end of which is fixed within the lower end of a sleeve 34. The upper end of the sleeve 34 receives therein the lower end of a shaft 35. The upper end of the shaft 35 is provided with a steering disk or wheel 36.

The sleeve 34 and the lower end of the shaft 35 are each provided with a plurality of transverse openings 37 for selective registry and through which a pin 38 is inserted to maintain the parts in connected relation. By removing the pin 38, the shaft may be adjusted lengthwise with respect to the sleeve to increase or decrease the distance of the wheel 36 with respect to the truck. When the shaft is thus adjusted, the pin 38 is inserted through a pair of registering openings thereby securing the shaft and sleeve together for unitary operation.

Obviously, by rotating the disk or wheel 36, the front wheels 19 may be conveniently steered over a desired course thus eliminating the necessity of "stooping" down to steer the toy.

From the foregoing, it will be apparent that I have provided means whereby small toy trucks and the like may be steered from a location directly above the truck thereby eliminating the necessity of children from being on their knees to steer the same thus precluding wear and tear on their clothing.

It is obvious that the invention is not confined to the herein described use therefor as it may be utilized for any purpose to which it is adaptable. It is therefore to be understood that the invention is not limited to the specific construction as illustrated and described, as the same is only illustrative of the principles of operation, which are capable of extended application in advance forms, and that the invention comprehends all construction within the scope of the appended claims.

What I claim is:

1. In a steering device for toy vehicles, a link pivotally connected to the steering unit of the vehicle, an angular member having an upstanding section journalled on the vehicle, a section extending horizontally from the vertical section of the said angular member, means pivotally connecting the outer end of the said horizontal section with the said link, an eye formed on one end of the said upstanding section, a shaft held at an obtuse angle and having an eye on one end engaging the eye of the said upstanding section operative to turn the said angular member and the steering unit of the vehicle.

2. In a steering device for a toy vehicle having a turnable front wheel unit, a link having its front end pivotally connected to the said unit adjacent one end thereof, an angular arm having a section journalled on the vehicle in an approximately vertical position, the said arm having a horizontally extending section at its lower end and having a looped extension at its upper

end, a pivot connecting the outer end of the horizontal section of the arm with the said link, and an operating shaft held at an obtuse angle and having the inner end looped about the looped portion of the arm adapted upon turning of the shaft to turn the arm and the steering unit.

3. In combination with a vehicle having a turnable front wheel unit, a link pivotally connected to the unit, a right angular member having a vertical section journalled on the vehicle, the said member having a horizontally directed section at its lower end, an eye formed on the upper end of the vertical section of the said member, a steering shaft held at an obtuse angle to the said vertical section, an eye on the inner end of the steering shaft engaging the eye on the said right angular member, and a wheel secured to the outer end of the shaft for turning the same.

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