Sept. 4, 1923. 1,467,271

D. W. GUTEKUNST

TOY VEHICLE

Filed Oct. 21, 1922

Fig. 1

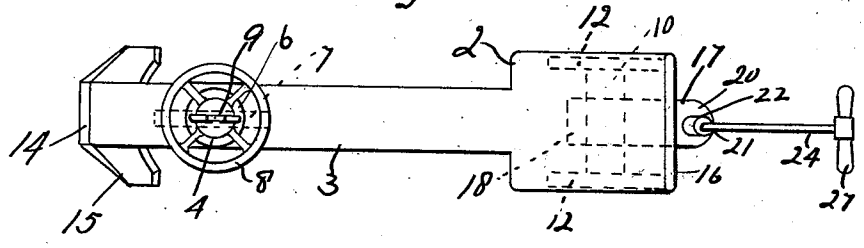


Fig 2.

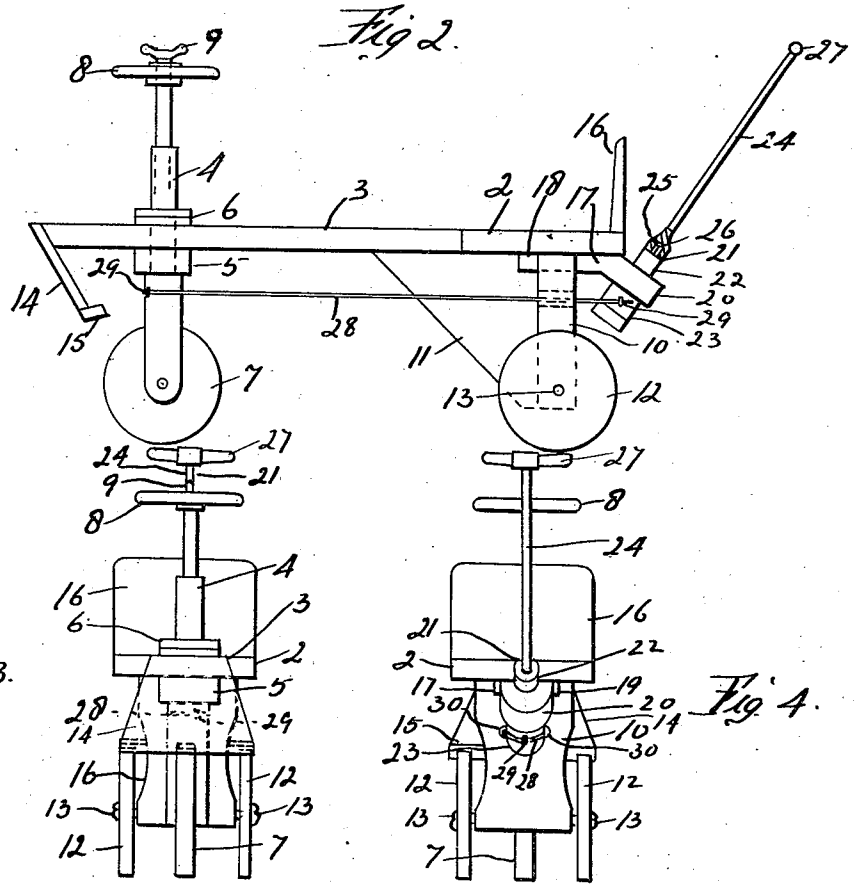


Fig. 3.

Fig. 4.

INVENTOR

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UNITED STATES PATENT OFFICE.

DAVID W. GUTEKUNST, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, OF ONE-THIRD TO ERNST G. HELANDER AND ONE-THIRD TO CHRISTINA ANDERSON, BOTH OF PHILADELPHIA, PENNSYLVANIA.

TOY VEHICLE.

Application filed October 21, 1922. Serial No. 595,939.

To all whom it may concern:

Be it known that I, DAVID W. GUTEKUNST, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented new and useful Improvements in a Toy Vehicle, of which the following is a specification.

My invention relates to new and useful improvements in a toy vehicle, and has for its primary object to provide means whereby said vehicle may be propelled or pushed and steered.

Another object of the invention is to provide a toy vehicle or velocipede adapted to be propelled by a person seated thereon by placing the feet upon the ground, said vehicle having a movable front wheel for steering purposes and provided with means having connection with said wheel whereby the vehicle may be both pushed and steered by a person other than the one riding.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains, may understand how to make and use the same, I will describe its construction in detail, referring by numerals to the accompanying drawings forming a part of this application, in which:—

Fig. 1, is a plan view of a toy vehicle made in accordance with my invention.

Fig. 2, is a side elevation thereof with a portion of the push rod broken away and shown in section to illustrate a detail of construction.

Fig. 3, is a front end view thereof with the foot rest and its bracket removed.

Fig. 4, is a rear end view of the same.

In carrying out my invention as here embodied, 2 represents a seat provided with a reduced forwardly projecting extension which is adapted to be straddled by a person using the vehicle so that the feet may engage the ground to propel the vehicle.

Through the forward end of the seat, and more particularly the extension thereof, passes the steering post 4 properly or adequately braced on one or both sides of the seat by suitable bearings 5 and 6.

On the lower end of the steering post is suitably mounted a front wheel 7 while on the upper end is mounted a steering wheel 8 which is held in place by means of a butterfly nut 9 or its equivalent which when slightly backed off will permit the steering wheel to turn free of the steering post so as not to turn the front wheel.

To the bottom side of the seat, adjacent its rear end is fastened a bolster 10 in some suitable or well known manner and is suitably supported by a brace 11, one end of which is secured to the underside of the seat and the other end to said bolster.

On this bolster are mounted the rear wheels 12, preferably by means of screws 13 in endwise alignment or concentric with each other, which act as axles for said wheels.

At the forward end of the seat, or more particularly its extension, is a rearwardly projecting depending bracket 14 having a transverse foot rest 15 at its lower end and at the rear end of the seat is a back rest 16 for an obvious purpose.

To the underside of the rear portion of the seat is fixed a journal bracket 17 the horizontal arm 18 of which projects through or registers with a slot 19 in the upper end of the bolster 10 while the journal 20 forming a part of said bracket preferably projects rearwardly and downwardly or at an angle to the arm. In the journal 20 is rotatably mounted the push rod 21 preferably made in two separable parts or sections, one section including a short shaft 22 with a pulley 23 on its lower end and provided at its other end with means for connection to the stem 24 which is the other section, said connecting means being here shown as a polygonal sided plug 25 for registration with the socket 26 in the end of the stem. Said stem carries a suitable handle 27 to be gripped by the person pushing the vehicle.

To the steering post and the pulley 23 are fixed cables 28 or equivalent ties whereby the pulley and steering post will rotate simultaneously in the same direction and as here shown such cables are in the form of a rope passing around the pulley and steering post to which it is fastened by staples 29 or equivalent fastening devices. These cables or ties pass through holes 30 in the bolster.

The vehicle may be used by a child in the

ordinary manner when desired but it often occurs that the child becomes tired when accompanying older persons out for a walk and if the occasion arises the push rod may be utilized by the older person to push the vehicle with the child thereon and because of the arrangement of the push rod and its connection with the steering post the vehicle may be also steered by the pusher with the same means. Under these conditions it is desirable that the steering wheel be loosened from the post so as to revolve free thereof thus preventing the rider from steering in opposition to the pusher.

Of course I do not wish to be limited to the exact details of construction as herein shown as these may be varied within the limits of the appended claims without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful is:—

1. In combination with a toy vehicle, a seat, wheels supporting the seat, a steering post connected with one of said wheels, means carried by said post whereby it may be actuated by a person on the vehicle, and means located at the rear of the vehicle and connected with said steering post whereby said vehicle may be pushed and steered by a person other than the rider.

2. The combination with a toy vehicle comprising a seat, a bolster at the rear of said seat, wheels connected with said bolster, a steering post rotatably mounted in the forward end of the seat, a wheel connected with the lower end of said post and a steering wheel carried by the upper end of said post, of a journal bracket fixed to the underside of the seat at the rear end thereof, a push rod journalled therein and means connected with said push rod and the steering post whereby a rotary movement of the push rod will be transmitted to the steering post.

3. A toy vehicle comprising in combination, a seat, a reduced forwardly projecting extension, a steering post passing through the forward end of said extension, bearings for bracing said post, a wheel connected with the lower end of said post, a steering wheel on the upper end of said post, means whereby said wheel may be fixed to the post or allowed to turn free thereof, a bolster at the rear end of the seat, said bolster having a slot and holes therethrough, wheels connected with said bolster, a brace to support said bolster, a back rest at the rear of the seat, a rearwardly projecting depending bracket at the forward end of the extension, a transverse foot rest fixed to the lower end of said bracket, a journal bracket having a portion projecting through the slot in the bolster and secured to the underface of the seat and having a journal projecting at an angle from the portion by which the bracket is attached to the seat, a short shaft rotatably mounted in the journal, a pulley on the lower end thereof, means connected with the pulley and the steering post for transmitting motion from the pulley to said steering post, said means passing through the holes in the bolster, a polygonal shaped plug at the upper end of the short shaft, and a stem provided with a handle at its upper end and a socket at its lower end for registration with the plug on the short shaft whereby the vehicle may be pushed and steered by a person other than the rider independent of the manipulations of the steering wheel.

In testimony whereof, I have hereunto affixed my signature.

DAVID W. GUTEKUNST.