July 23, 1946. G. LINDGREN 2,404,506

TOY VEHICLE

Filed Dec. 3, 1943

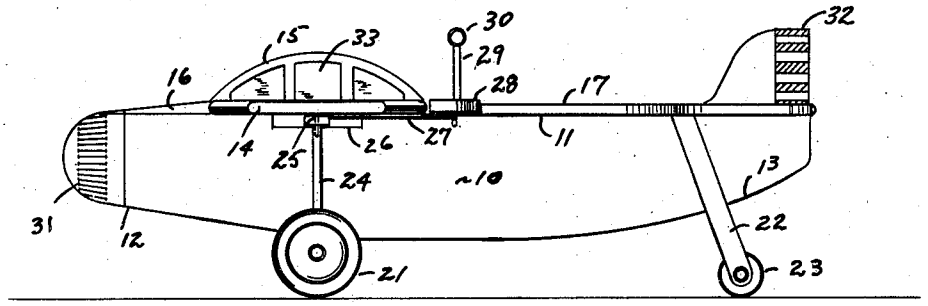


FIG. 1.

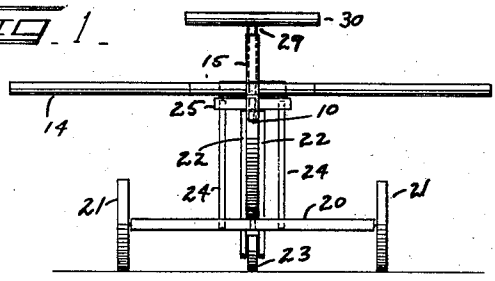


FIG. 2.

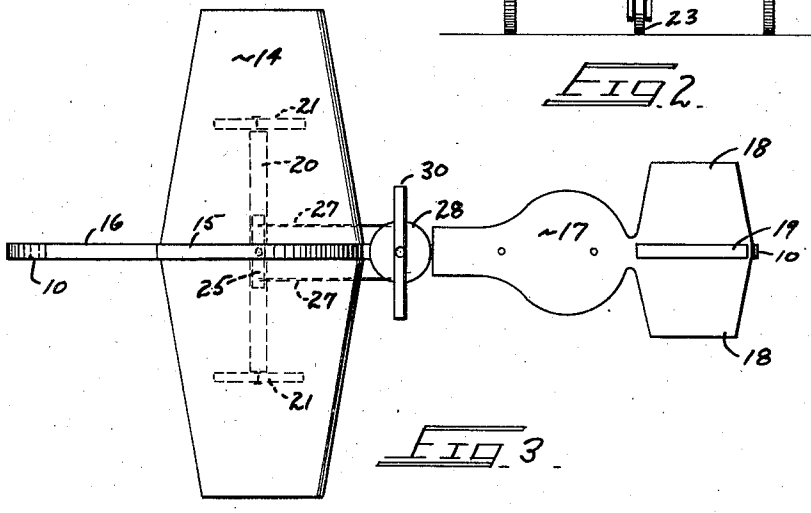


FIG. 3.

Gust Lindgren
Inventor

By W. B. Harpman

Attorney

Patented July 23, 1946

2,404,506

UNITED STATES PATENT OFFICE

2,404,506

TOY VEHICLE

Gust Lindgren, Youngstown, Ohio

Application December 3, 1943, Serial No. 512,803

3 Claims. (Cl. 280—87.02)

1

This invention relates to a toy and more particularly to a wheel toy for small children.

The principal object of the invention is the provision of a wheel toy taking the form of an airplane.

A further object of the invention is the provision of a toy airplane provided with wheels two of which are positioned on a single axle and thereby steerable.

A still further object of the invention is the provision of a wheel toy provided with a seat and having a steering gear on its uppermost surface.

A still further object of the invention is the provision of a wheel toy taking the form of an airplane and having the steering gear so arranged as to in no way interfere with the leg positions of a child riding the same.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

The invention is illustrated in the accompanying drawing, wherein:

Figure 1 is a side elevation of the toy.

Figure 2 is a front elevation of the toy.

Figure 3 is a top plan view of the toy.

By referring to the drawing it will be seen that the wheel toy consists of a few relatively simply formed wooden sub-assemblies, the principal one of which consists of a body portion indicated by the numeral 10, the body portion comprising a section of one inch wooden material positioned on edge. The uppermost edge of the body portion 10 is straight and is indicated by the numeral 11 while the lowermost section is curved at both the front and rear sections thereof as indicated by the numerals 12 and 13, respectively. A wing 14 also formed of a single piece of wood is positioned transversely on the uppermost edge 11 of the body member 10 and is preferably tapered as is best illustrated in Figure 3 of the drawing. It is attached to the body portion 10 by any suitable means. A simulated cabin structure consisting of a single curved member standing on edge is indicated by the numeral 15 and is positioned on top of the wing member 14 and attached thereto. A tapering frontal section 16 is also positioned on the uppermost edge 11 of the body portion 10 and a seat 17 is positioned thereon near the rear thereof and suitably attached thereto. The seat portion is preferably formed integrally with the usual transversely extending tail surface 18 while a rudder member 19 is positioned thereon.

2

In order that the toy may be supported, an axle 20 is pivoted to the body 10, forward of the center line thereof and is provided at its outermost ends with wheels 21 while the rear of the toy is supported by a pair of vertical supports 22 which have a tail wheel 23 positioned therebetween adjacent the lowermost end thereof. Vertical bars 24 are positioned in drilled openings in the pivoted axle 20, one on each side of the body member 10, and are attached at their uppermost ends by a cross member 25 which is pivoted to the body portion 10 and which is positioned in a cut-out area 26 thereof immediately under the wing 14. Flexible connecting members 27 extend backwardly therefrom and are attached to opposite sides of a circular steering gear member 28 which in turn is provided with a vertical shaft 29 which in turn has a cross piece 30 positioned on the uppermost end thereof. The circular steering gear member 28 is pivoted to the upper edge 11 of the body member 10.

It will thus be seen that a child sitting on the seat 17 can readily straddle the body portion of the toy and that there will be more than sufficient leg room in back of the wheels 21 on the axle 20 to enable the child to propel the toy. The steering gear, due to its novel formation provides a readily accessible steering bar 30 for the child to grasp and the motion is transmitted through the flexible connections 27 to the cross piece 25 and through the vertical bars 24 to the pivoted axle 20. The child can, therefore, handle the toy with ease and convenience as compared with similar toys heretofore known in the art wherein the steering apparatus if located adjacent the child's hands invariably interfered with the child's leg action in propelling the toy.

It is obvious that desirable decoration may be either painted on the toy or applied thereto as by decalcomania such as are indicated by the motor representation 31 and the rudder decoration 32 and the cabin window representation 33 on the member 15.

It will thus be seen that a simply formed, practical wheel toy has been disclosed wherein the principal novelty resides in the unique steering arrangement provided.

Having thus described my invention, what I claim is:

1. In a wheeled toy taking the form of a toy

airplane and including a body, a wing member, an axle pivoted to said body member and located beneath the body and wing members, and a steering gear positioned in back of the wing member on the body member, and means establishing connection between said steering gear and said axle, said means including a pair of vertically positioned steering bars on said axle, a pivoted cross piece affixed to the uppermost ends of said steering bars and flexible connections between the said cross piece and the said steering gear.

2. In a wheeled toy in the form of a model airplane, and including a body member having a wing member positioned transversely thereon, a seat member, a steering gear rotatably positioned between the said member and the wing member, an axle positioned beneath the body and wing members and pivoted to the bottom of the body member, vertical bars positioned on the said axle and affixed to a cross member at their uppermost ends, the cross member located beneath the said wing member and pivoted to the said body

member, flexible connections positioned between the cross member and the said steering gear.

3. In a wheeled toy taking the form of a model airplane, and including a body member consisting of a section of wood positioned on edge, a wing positioned transversely thereon and an integrally formed seat, and tail member positioned thereon and adjacent the rearmost portion thereof, a pivoted axle positioned beneath the said body and wing members and pivoted to the bottom of the body member, vertically spaced bars positioned on the said axle, one on either side of the said body member, a slot in said body member beneath said wing, a cross member affixed to said spaced vertical bars at their uppermost ends, said cross member positioned in the said slot beneath the said wing and pivoted midway between its ends to said body member and flexible connections positioned between the cross member and the said steering gear.

GUST LINDGREN.