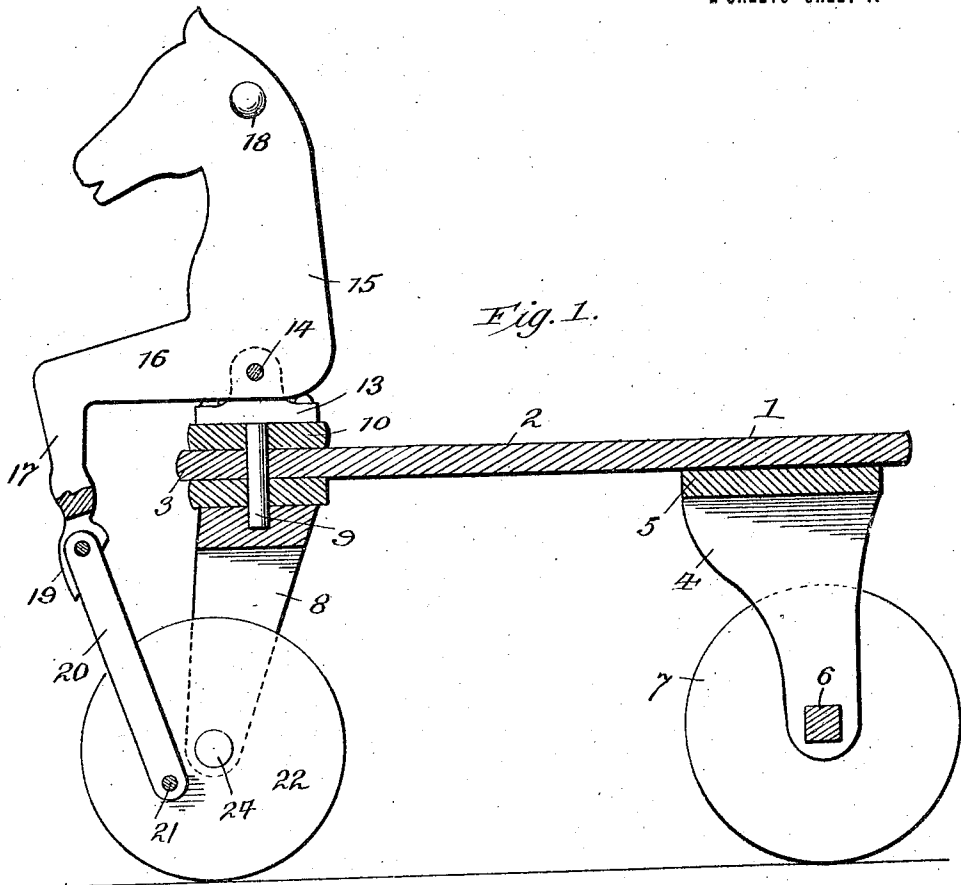
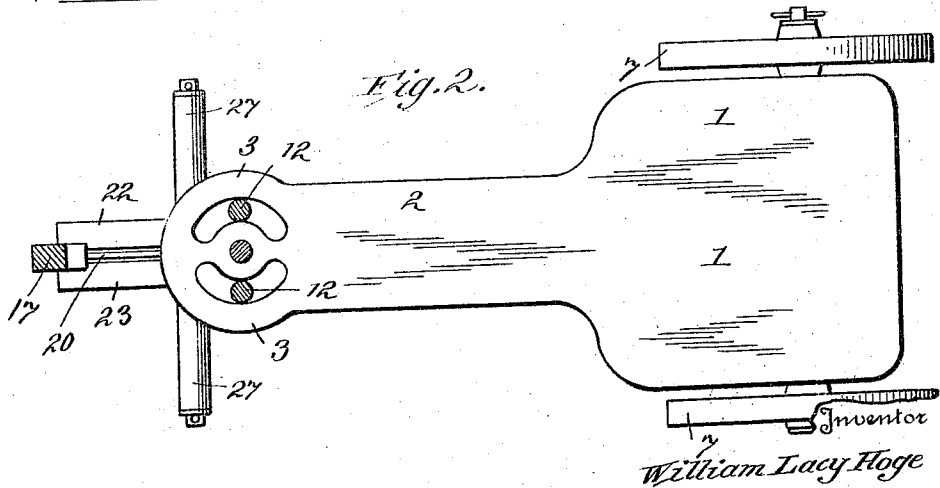


W. L. HOGE.
TOY VEHICLE.
APPLICATION FILED NOV. 22, 1920.

1,414,950.

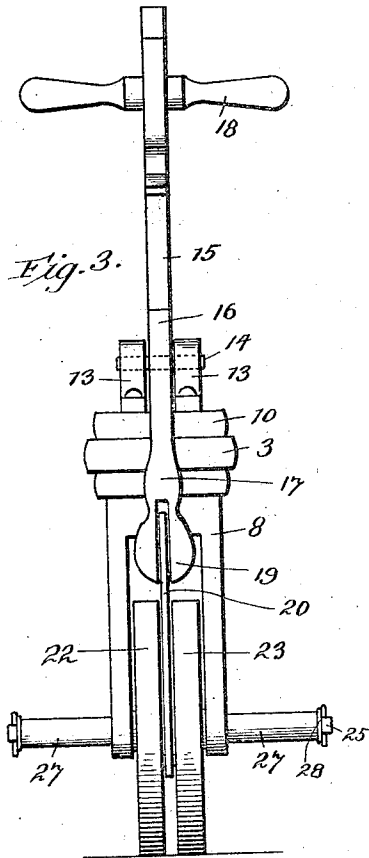
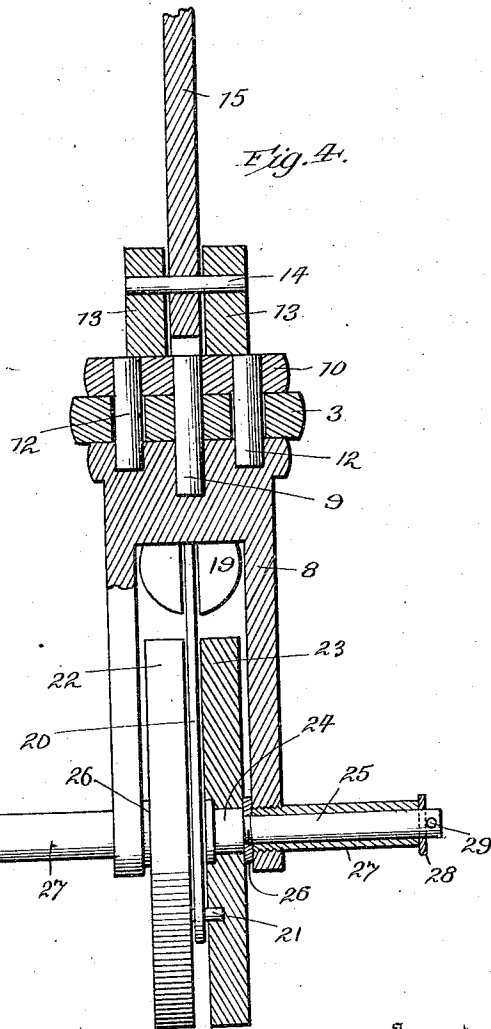
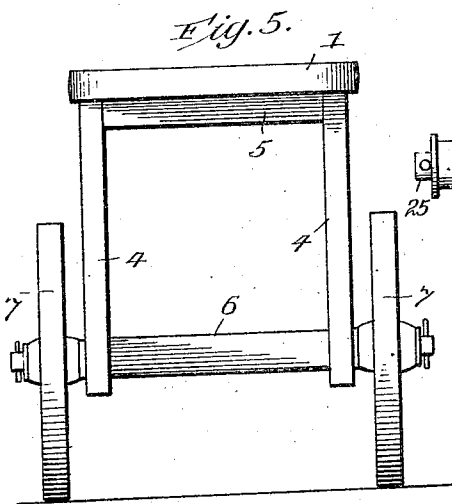
Patented May 2, 1922.
2 SHEETS—SHEET 1.



By *Judge and Sons* Attorneys

1,414,950.

Patented May 2, 1922.
2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

WILLIAM LACY HOGE, OF LOUISVILLE, KENTUCKY.

TOY VEHICLE.

1,414,950.

Specification of Letters Patent.

Patented May 2, 1922.

Application filed November 22, 1920. Serial No. 425,793.

To all whom it may concern:

Be it known that I, WILLIAM LACY HOGE, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Toy Vehicles, of which the following is a specification.

This invention pertains to toy vehicles and more particularly to that class wherein means is provided for propelling the same through suitable driving mechanism operated by the arms and hands of the user.

The invention is illustrated in the annexed drawings, wherein,—

Fig. 1 is a longitudinal vertical section of the structure.

Fig. 2 a horizontal sectional plan;

Fig. 3 a front elevation, the rear wheels and the supports therefor being omitted;

Fig. 4 is a vertical sectional elevation, on a somewhat enlarged scale, of the front fork, the dual driving wheels and the driving connections, and the turntable or fork positioning means; and

Fig. 5 a rear elevation with the front wheels and allied parts omitted.

The main object of the invention is to provide a simple and withal a strong vehicle, with means for driving the same.

The main body of the vehicle may be said to comprise a seat 1 and a relatively narrow reach 2, the latter terminating at its forward end in a slightly enlarged head or end piece 3. To the under face of the seat there is secured a pair of depending brackets 4, a crosspiece 5 being preferably secured between them and to the seat to more securely hold the brackets in place. An axle 6 is carried by the brackets and wheels 7 are mounted thereon. The front fork of the vehicle is denoted by 8, a king pin 9 extending upwardly therefrom through an opening formed in the head 3, and into an overlying plate 10 which bears upon the upper face of the head. Said head is, in the form shown, provided with two arcuate pins 12, the pins being secured in the upper end of the fork and plate 10. Secured to the upper face of plate 10 are two spaced brackets or pillow blocks 13 forming the support for a cross pin or shaft 14 upon which is fulcrumed the operating lever. Said lever takes the general form of a double bell-crank, comprising a vertical arm or element 15, a forwardly extending arm or element 16 and a down-

wardly extending element 17. Element 15 is preferably given the outline or contour of a horse's neck and head, and a handle 18 extends laterally from each side thereof. The lower end of element 17, which is preferably fashioned to simulate a hoof 19, is bifurcated and there is pivotally connected thereto one end of a link 20, the opposite lower end of which is connected to a crank pin 21. Said pin is secured in the opposite faces of two wheels 22, 23, which are spaced apart to admit of the link or pitman 20 to pass freely therebetween. The wheels are positioned within and sustained by the fork in any suitable manner, one arrangement being disclosed in Fig. 4. Each wheel is provided with a headed bushing 24 which is interiorly threaded and into which is screwed a stub axle 25, a jam nut 26 securing the parts against displacement and serving as a spacer to hold the wheel out of contact with the adjacent fork member. Axle 25 finds its bearing in a sleeve 27 which is screwed into the fork, or otherwise secured thereto, a washer 28 being mounted on the outer end of the axle and held in place by a cotter pin 29. The bearing sleeves serve also as foot rests.

In operation a child sitting astride the body grasps the handles 18 and by moving the lever (15, 16 and 17) back and forth, imparts motion to the dual wheels 22 and 23 through the pitman and crank pin. The wheels may be caused to rotate in either direction and the vehicle consequently propelled either forward or backward. Steering is effected and controlled through the handles 18 or through the foot rests (sleeves 27) or both.

What is claimed is:—

1. In a toy vehicle, the combination of a body; wheels for supporting the rear portion thereof; a fork swiveled at the forward end of the body; a lever sustaining element secured to the fork and movable therewith; a lever fulcrumed upon said element; a pair of spaced wheels carried by the fork; a crank pin secured between the adjacent faces of the wheels; and a pitman extending from said crank pin and between the wheels to the lower end of the lever.

2. In a toy vehicle, the combination of a body; supporting wheels located at the rear thereof; a plate-like member disposed on the forward end of the body; a pair of brackets secured to the plate; a lever fulcrumed be-

tween said bracket, said lever having an arm extending downwardly in front of the body; a fork; connections extending through the forward end of the body securing the fork
5 to the plate-like member; a pair of wheels carried by the fork; a crank pin secured in the proximate faces of the wheels; and a pitman connected to the downwardly extending arm of the lever and to the crank pin.
10 3. In a toy vehicle, the combination of a body; supporting wheels for the rear end thereof; a fork; a plate-like member imposed upon the forward end of the body; connections extending through said end for secur-
15 ing the plate-like member and fork to each other; a lever fulcrumed upon the plate-

like member; a pair of wheels positioned within the fork; a crank pin secured to the proximate faces of the wheels; a pitman extending from the pin to the lever; and a 20 support for each of the wheels, said support comprising a headed bushing mounted in the wheel, a rod screwed into the bushing from the outer face thereof, a lock nut for securing the rod in place, and a threaded sleeve 25 secured in the lower end of the fork member extending outwardly therefrom, said sleeve forming a support and bearing for the rod.

In testimony whereof I have signed my name to this specification.

WILLIAM LACY HOGE.