

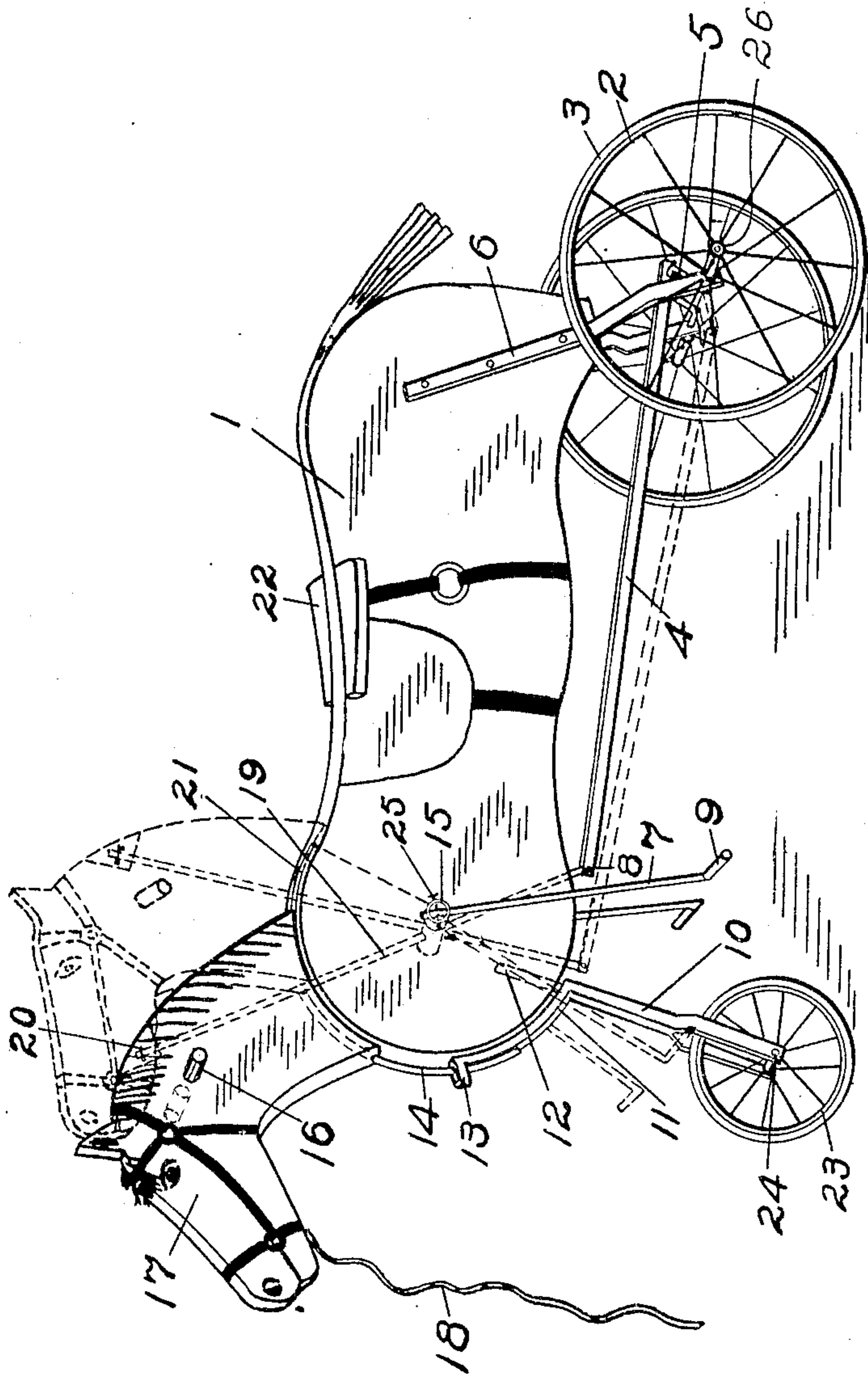
No. 871,847.

PATENTED NOV. 26, 1907.

D. K. WILSON.

VELOCIPEDÉ.

APPLICATION FILED AUG. 19, 1907.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## VELOCIPEDÉ.

No. 871,847.

Specification of Letters Patent.

Patented Nov. 26, 1907.

Application filed August 19, 1907. Serial No. 389,214.

*To all whom it may concern:*

Be it known that I, DALTON K. WILSON, a citizen of the United States of America, and a resident of Waterloo, Blackhawk county, Iowa, have invented certain new and useful Improvements in Velocipedes, of which the following is a specification.

My invention relates to improvements in velocipedes, and the object of my invention is to provide a hobby-horse toy for children, furnished with propelling mechanism of the nature of a velocipede, but incorporating several novel details of importance, such as means whereby power may be communicated to move the same adapted to be acted upon by the hands and feet of the rider alternately to produce a coöperating effect thereon. This object I have accomplished by the mechanism which is hereinafter described and claimed, and which is illustrated in the accompanying drawings, in which:—the figure depicts in perspective my improved hobby-horse equipped with my improved propelling means, the dotted lines indicating the changed positions of the parts of the mechanism from the positions thereof shown by the full lines.

The hobby-horse parts of the device consist of a body portion 1, and a movable head portion 17. Secured to the rear part of the body 1 are depending bars 6, whose lower parts are bent and spread apart as shown and provided with registering orifices to receive the ends of the medially cranked axle 5 of the rear wheels whose rims 2 may be fitted with rubber tires 3 if desired. The numeral 22 denotes a saddle on the upper edge of the part 1, formed of blocks extending laterally therefrom and secured thereto.

The lower forward edge of the part 1 is bored to receive a pin 12 extending upwardly from an upright 10 whose forked lower end is furnished with registering orifices to receive the ends of the axle 24 of the front wheel 23. The upper portion of the upright 10 is bent forward into the form of an arc of a circle and provided with a lug 13 with an orifice adapted to receive therein the lower portion of the arc-shaped rod 14, the upper portion of the latter being fixed within the lower part of the head-part 17.

The forward portion of the body 1 has an orifice to receive the short transverse shaft 15, to each end of which is secured the upper end of a depending rod 7 by means of a set-

screw 25. The rods 7 are parallel to each other, and their lower ends are bent outwardly to furnish foot-pieces 9. The body 1 is, at its forward end, provided with a narrow opening or slot 21 extending from top to bottom midway between its sides, to receive and permit the swinging movement there-through of the rod 19. This rod 19 has its middle portion secured within an orifice in the shaft 15, its upper member projecting beyond said slot 21 and into a bored seat in the head-piece 17, so as to permit the latter to freely swing thereon, a pin 20 preventing the latter from slipping off said rod. The lower end of said rod projects a short distance below the under part of the slot 21 and is pivotally connected to the forward end of a pitman 4 at a pintle 8, the rear end of said pitman being pivoted on the medial crank of the rear axle 5. A cord 18 may be secured to the nose of the head part 17, if desired. On each side of said head is a projecting handle 16, serving together as a handle-bar by which to turn the head on its pivoted rod 19 from side to side, and thereby swing the rod 14 with its connected upright 11—10 and front wheel 23, to change the direction of movement of the device.

When the rider is seated on the saddle 22, grasping the handles 16 with the hands and having the feet on the foot-bars 9, the device is moved forward by simply pushing forward alternately with the hands and feet. As the head 17 is pushed forward and backward, the curved rod 14 moves up and down through the perforation in the lug 13, which keeps the head from swaying, except as directed by the movement from side to side of the handles 16. The up and down as well as sidewise movements of the head 17, impart a simulation of the natural movements of a horse in action in moving forward.

One of the rear carrying-wheels has its hub fixed to the end of the axle 5 on its side, while the other rear carrying wheel has its hub pivotally mounted on its end of the said axle at 26, and this arrangement, while it permits the fixed wheel to drive the device over the ground, the other pivoted wheel moves easily to allow of easy turning in a small compass of the same.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is:—

1. A device of the character described, 110



consisting in combination, of a body-piece, a head-piece adapted to rock both laterally and vertically upon said body-piece, a front carrying wheel pivotally connected to said  
 5 body-piece and slidably connected to said head-piece, rear carrying wheels adapted to support said body-piece, and means for simultaneously vertically rocking said head-piece and rotating said rear carrying wheels.  
 10 2. A device of the character described, consisting in combination, of a body-piece, a head-piece adapted to rock both laterally and vertically upon said body-piece, a front carrying wheel pivotally connected to said  
 15 body-piece and slidably connected to said head-piece, rear carrying-wheels adapted to support said body-piece, an axle for said rear carrying wheels, one of said wheels being fixed to said axle and the other rotatable  
 20 thereon, and means for simultaneously vertically rocking said head-piece and rotating said rear axle.

3. A device of the character described,

consisting in combination, of a rear axle having a crank, carrying wheels mounted on said  
 25 axle, a body-piece whose rear end is pivotally supported on said axle, an upright pivoted to the forward portion of said body-piece, a guide-wheel pivoted to said upright, a transverse rock-shaft pivotally mounted in said  
 30 body-piece, a rod secured to said rock-shaft and projecting thereover and thereunder, a head-piece pivoted to the upper end of said rod and slidably connected to the upright extending from the guiding wheel, a pitman  
 35 pivotally connected between the crank of the rear axle and the lower end of the rod secured to said rock-shaft, and a stirrup-rod secured to and depending from each end of said rock-shaft.  
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Signed at Waterloo, Iowa, this 5th day of August, 1907.

DALTON K. WILSON.

Witnesses:

O. D. YOUNG,  
 H. M. HARPER.