C. L. JOHNSON.

TOY HORSE.

APPLICATION FILED NOV. 22, 1917.

1,304,985. Patented May 27, 1919.

Fig. 1.

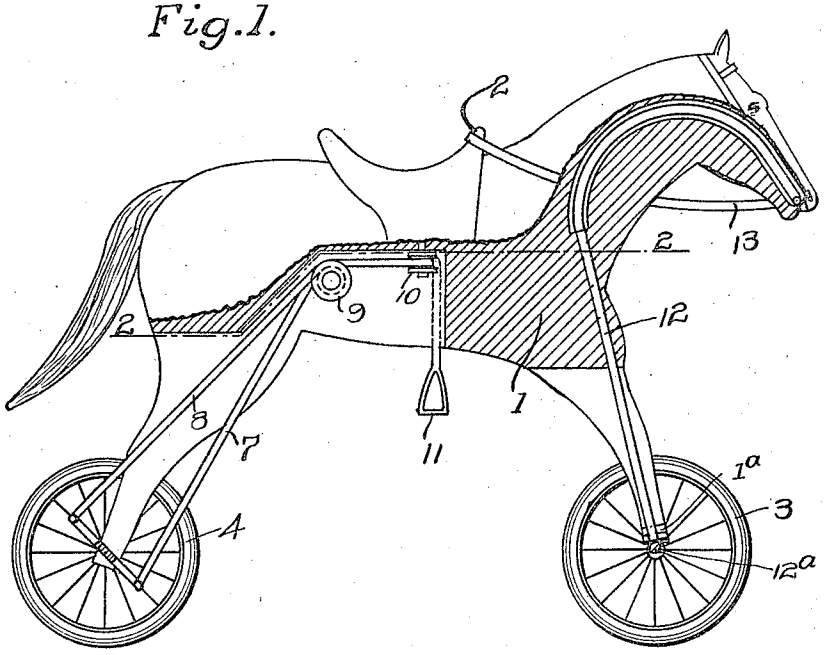



Fig. 2.

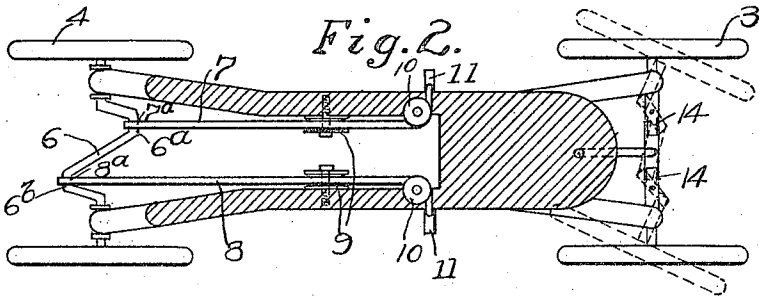
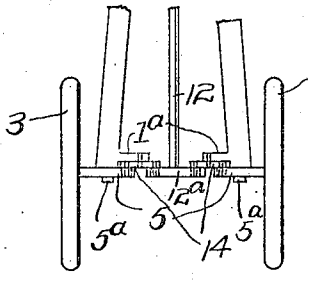



Fig. 3.




INVENTOR.

Charley L. Johnson

BY A. B. Bowman

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# UNITED STATES PATENT OFFICE.

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## TOY HORSE.

1,304,985. Specification of Letters Patent. Patented May 27, 1919.

Application filed November 22, 1917. Serial No. 203,307.

*To all whom it may concern:*

Be it known that I, CHARLEY L. JOHNSON, a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented certain new and useful Improvements in Toy Horses, of which the following is a specification.

My invention relates to a toy horse more particularly adapted for children's use and adapted to be propelled by the rider by upward and downward movement of the feet and guided by the reins and the objects of my invention are: First, to provide a toy horse of this class which may be readily propelled by the rider by upward and downward movement of his feet in the form of stirrups properly positioned at the sides of the horse. Second, to provided a new and novel means for guiding said horse by pulling on the reins as is ordinarily done in guiding a horse. Third, to provide a toy horse of this class which is very simple, economical of construction, durable, easy to operate and which will not readily deteriorate or get out of order.

With these and other objects in view as will appear hereinafter my invention consists of certain novel features of construction, combination and arrangement of parts as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon, which form a part of this specification in which,

Figure 1 is a side elevational view of the horse showing portions broken away and in section, at the middle, to facilitate the illustration. Fig. 2 is a sectional view through 2—2 of Fig. 1 and Fig. 3 is a front elevational view of a lower fragmentary portion of said horse.

Similar characters of reference refer to similar parts throughout the several views of the drawings.

The horse body 1, saddle 2, wheels 3 and 4, front axles 5, rear axle 6, cables 7 and 8, sheaves 9, sheaves 10, stirrups 11, guiding rod 12, reins 13 and levers 14 constitute the principal parts of my toy horse. The body 1 is preferably composed of wood but may be of other material and it is hollowed out in certain portions as shown, to permit the securing and movement of the working parts. It is mounted on the rear axle 6 by said axle 6 extending through the leg members forming bearings for said shaft and to said shaft 6 are secured the wheels 4. This shaft 6 is a double crank shaft provided with bearings at $6^a$ and $6^b$ and upon which are mounted rings $7^a$ and $8^a$ to which are secured the cables 7 and 8 which extend upwardly and forwardly over the sheaves 9 and 10 and out through the sides of the horse beneath the lower sides of the saddle and extend downwardly against the sides of the horse and on the lower ends are secured the stirrups 11. The front axles 5 are pivotally mounted on the lower ends of the front legs of the horse by means of bolts $5^a$ and the wheels 3 are revolubly mounted on the outward ends of these axles. Mounted on and extending inwardly slightly above the lower ends of the front legs of the horse are lugs $1^a$ on the lower sides of which are pivotally mounted the levers 14 and the outward ends of these levers 14 are pivotally connected to the inward ends of the axle 5 by means of rivets in longitudinally slotted holes in the inner ends of said axles 5 adapted to permit movement of this pivotal connection. Mounted on the lower end of the guide rod 12 is a bar $12^a$ which is provided with longitudinally slotted holes therein in which are provided rivets which are connected to the inner ends of the levers 14 so that when the rod 12 is turned by the use of the reins 13 extending out through the sides of the mouth and connected to the extending ends of the guide rods 12, the bar $12^a$ is turned moving the levers 14 on their pivots which in turn moves the axles 5 on the bolts $5^a$ turning the wheels in the direction of the side the rod 12 is turned by the rein 13, as shown by dotted lines in Fig. 2 of the drawings.

Though I have shown and described a particular construction, combination and arrangement of parts, I do not wish to be limited to this particular construction, combination and arrangement but desire to include in the purview of my invention the construction, combination and arrangement substantially as set forth in the appended claims.

It is obvious that with this construction, there is provided a toy horse which may be easily operated from the saddle by pressure

downwardly, alternately on the stirrups on the opposite sides of the horse that the horse may be readily guided to the right or the left by pulling on the rein on the right or left side as desired.

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

1. The combination with the body of a toy horse, of a rear axle in the form of a crank shaft, wheels on opposite sides secured to said rear axle, bearings connected to the cranks, guiding sheaves mounted in the body of the horse and cables extending from said bearings forwardly and upwardly in the body of the horse over said sheaves and out through the sides and stirrups secured to the outwardly extending ends of said cables.

2. In a toy horse, the combination with the body of a horse, of a rod pivotally mounted in said body with a portion extending to the mouth of the horse forming a lever, reins secured to the extended end upon opposite sides and extending backwardly, a bar secured on the lower end of said rod provided with longitudinal slots therein, levers pivotally connected with the extended ends of said bar and pivoted intermediate their ends on said horse body, axles pivotally mounted on said horse's body, provided with longitudinal slots in their inner ends engaging with the outer ends of said levers and wheels revolubly mounted on said axles.

3. The combination with the body of a toy horse, of a rear axle in the form of a crank shaft, wheels on opposite sides secured to said rear axle, bearings connected to the cranks, guiding sheaves mounted in the body of the horse, and cables extending from said bearings forwardly and upwardly in the body of the horse over said sheaves and out through the sides, stirrups mounted on the outwardly extending ends of said cables, a rod pivotally mounted in said body with a portion extending to the mouth of the horse forming a lever, reins secured to the extended end upon opposite sides and extending backwardly, a bar secured in the lower end of said rod provided with longitudinal slots therein, levers pivotally connected with the extended ends of said bar and pivoted intermediate their ends on said horse's body, axles pivotally mounted on said horse's body, provided with longitudinal slots in their inner ends engaging with the outer ends of said levers and wheels revolubly mounted on said axles.

In testimony whereof, I have hereunto set my hand at San Diego this 10th day of November, 1917.

CHARLEY L. JOHNSON.