(No Model.) 2 Sheets—Sheet 1.

J. JOHNCK.

HOBBY HORSE.

No. 597,702. Patented Jan. 18, 1898.

Fig. 1

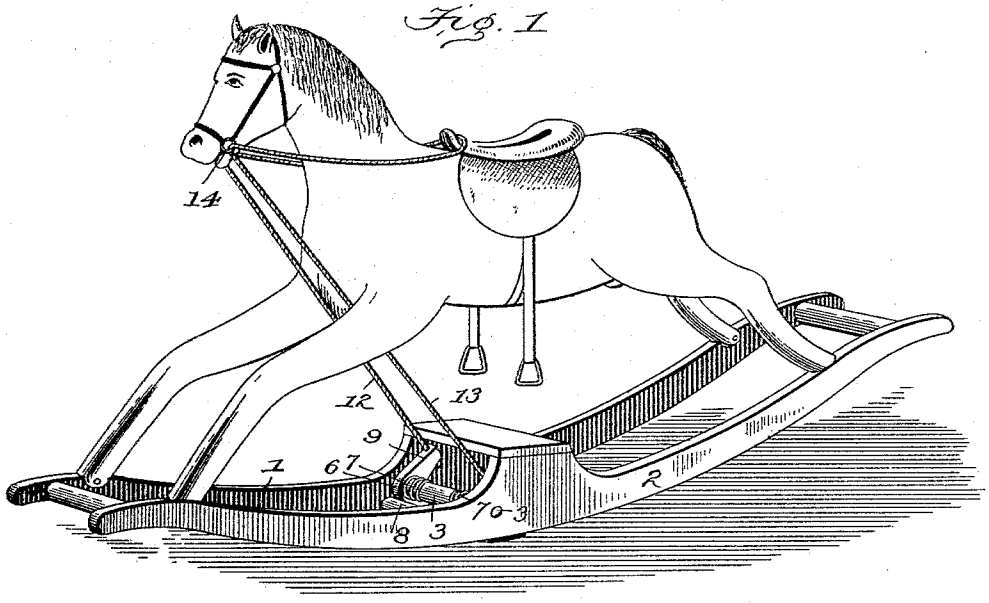
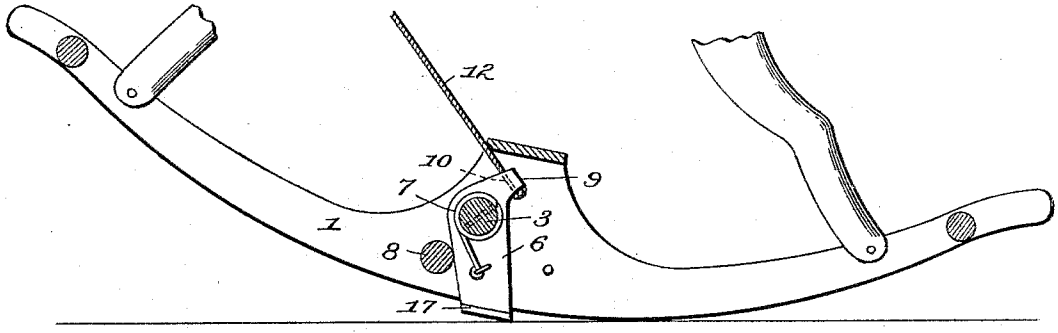


Fig. 2.



WITNESSES:

Edwin L. Bradford

R. H. Mc Pherson Jr.

INVENTOR

John Johnck

BY

R. H. A. Lacey,

ATTORNEYS.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

(No Model.) 2 Sheets—Sheet 2.

J. JOHNCK.

HOBBY HORSE.

No. 597,702. Patented Jan. 18, 1898.

Fig. 3.

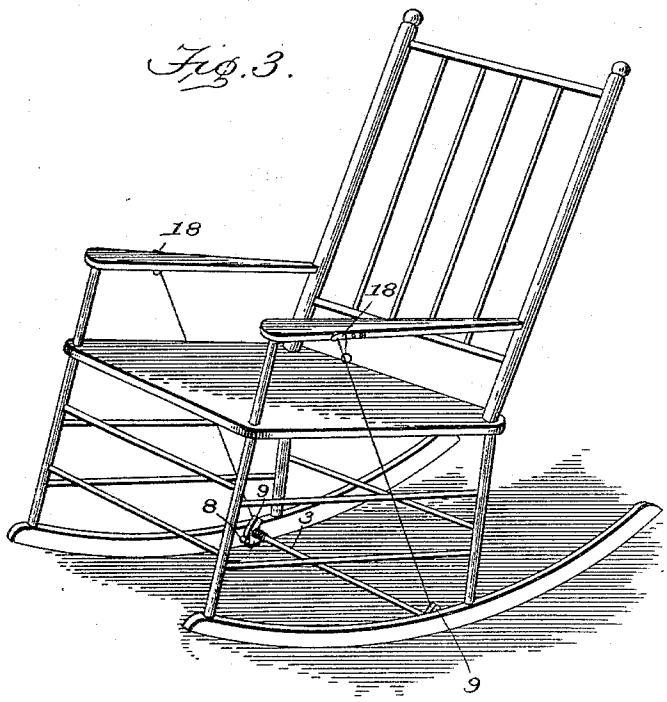
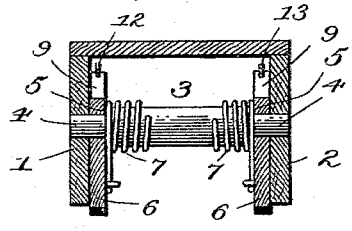


Fig. 4.



WITNESSES:

Edwin L. Bradford

R. H. McPherson Jr.

INVENTOR

John Johnck

BY

R. A. & A. Lacy,

ATTORNEYS.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN JOHNCK, OF ESTHERVILLE, IOWA, ASSIGNOR OF TWO-THIRDS TO A. J. PENN AND J. P. KIRBY, OF SAME PLACE.

HOBBY-HORSE.

SPECIFICATION forming part of Letters Patent No. 597,702, dated January 18, 1898.

Application filed April 21, 1897. Serial No. 633,081. (No model.)

To all whom it may concern:

Be it known that I, JOHN JOHNCK, a citizen of the United States, residing at Estherville, in the county of Emmet and State of Iowa, have invented certain new and useful Improvements in Hobby-Horses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to self-propelling rockers; and the object is to provide a rocking-chair, hobby-horse, or the like with pivoted pawls which engage the floor and automatically propel the chair or horse forward by the act of rocking or oscillating the same.

To this end the novelty consists in the construction, combination, and arrangement of the same, as will be hereinafter more fully described, and particularly pointed out in the claims.

In the accompanying drawings the same reference-characters indicate the same parts of the invention.

Figure 1 is a perspective view of a hobby-horse embodying my invention. Fig. 2 is a longitudinal section of the same. Fig. 3 is a detail view of the device applied to a rocking-chair. Fig. 4 is a transverse section on the line 4 4 of Fig. 2.

1 and 2 represent the parallel rockers, and 3 a transverse rod fixed in said rockers. This rod is formed with two journals 4 4, arranged between the shoulders 5 5 on the rod and the contiguous sides of the rockers 1 and 2.

6 6 represent pawls mounted on the journals 4 4, and 7 7 represent spiral springs encompassing said rod 3 and having their inner ends fixed to the rod and their outer ends fixed to said pawls to project them forward and against the fixed cross-brace 8, which acts as a stop to limit the forward movement of said pawls.

9 9 represent integral lugs on said pawls, and they are provided with orifices 10 10, which receive the lines 12 13, which extend upwardly through the guide-staple 14 and thence through the eyes 15 16 in the bit fixed in the horse's mouth, and thence rearwardly after the manner of reins to within easy reach of the rider.

The lower ends of the pawls 6 and 6 normally project beyond the lower edge of the rockers 1 2, and they are each provided with a removable rubber shoe 17 to insure a firm grip on the floor or carpet.

The operation of the device is very simple, as it will readily be seen that a rocking or oscillating movement will cause the pawls to engage the floor and propel the rockers forward as the front ends of the rockers are depressed, and after the pawls have been released from the floor the springs restore them to their normal position against the cross-brace 8. On the return or backward movement of the rockers the pawls again engage the floor and move the runners forward, so that there is a forward movement at each oscillation. By drawing on the right or left hand rein the corresponding pawl is raised out of engagement with the floor, and the oscillating movement then steers the rockers to the right or left, as the case may be, and by simultaneously raising both pawls the oscillating movement may be continued indefinitely without changing the location of the horse or chair.

In the case of the chair I employ spring-clips 18 to grasp the lines and retain the pawls in an elevated position, thus leaving the hands free when the chair is in use as an ordinary rocker.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

1. A chair or hobby-horse provided with the usual parallel rockers 1 and 2 the rod 3 connecting said rockers and provided with the journals 4 4 in combination with the pawls 6 6 mounted on said journals, the spiral springs 7 7 encompassing the rod 3 and having their opposite ends fixed in said rod and pawls, the cords or hand-lines attached to the pawls, and the cross-brace 8 fixed in said rockers and

projecting into the path of said pawls substantially as shown and described.

2. A chair provided with the usual rockers 1 2, and the transverse rod 3 connecting said rockers the pawls 6 pivoted on said rod, the spiral springs 7 encompassing said rod and having their inner ends connected to said rod and their outer ends fixed to said pawls, and the cross-brace 8 fixed in said rockers and projecting into the path of said pawls, in combination with the lines 12 13 connected to said pawls, and the spring-clips 18 adapted to detachably secure said lines to the arms of the chair, substantially as described.

3. A chair or hobby-horse provided with the parallel rockers 1 2, a pawl pivoted on the inner side of each rocker, each pawl having a normally vertical body portion provided at its lower end with a plane inclined bearing-face and at its upper end with an integral, rearwardly-projecting lug, a stop device in advance of the pawls to limit their forward movement, cords or hand-lines attached to said lugs, and springs acting on said pawls to normally hold them in contact with said stop device, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN JOHNCK.

Witnesses:

J. P. KIRBY,

GEO. FULLINWEIDER.