

F. MAGEE.
 REIN DRIVEN PEDAL PROPELLED HOBBY HORSE.
 APPLICATION FILED AUG. 20, 1910.

990,997.

Patented May 2, 1911.

FIG. 1

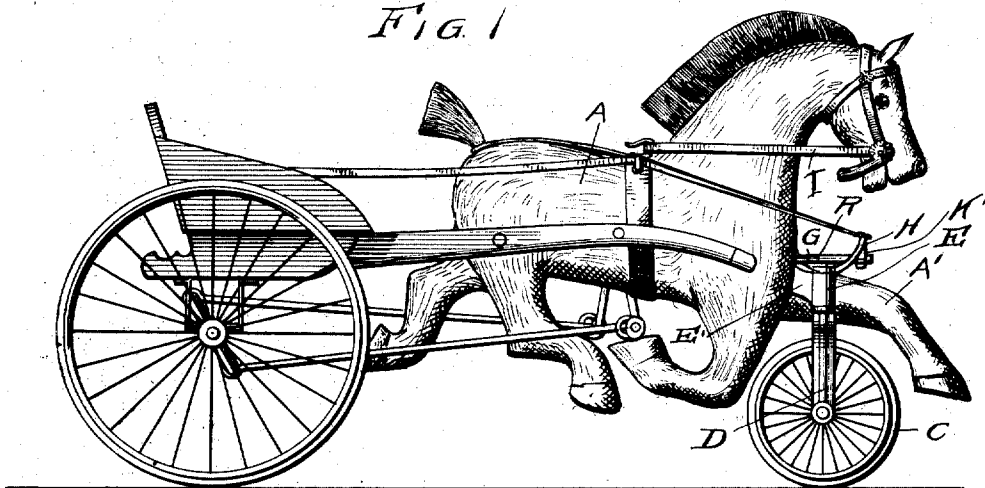


FIG. 2

FIG. 3

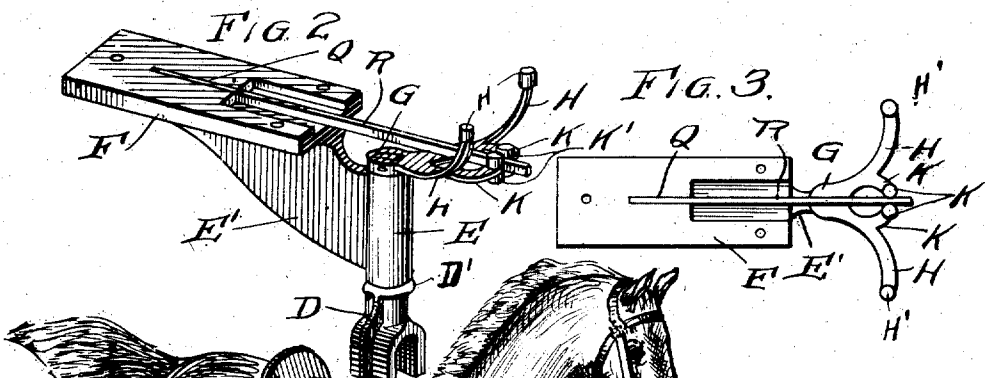
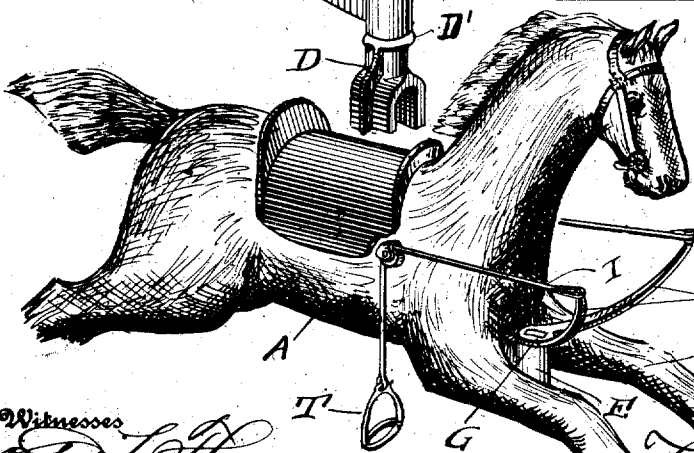


FIG. 4



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REIN-DRIVEN PEDAL-PROPELLED HOBBY-HORSE.

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Specification of Letters Patent.

Patented May 2, 1911.

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To all whom it may concern:

Be it known that I, FRANK MAGEE, a citizen of Ontario, Canada, residing at Port Huron, in the county of St. Clair and State of Michigan, have invented certain new and useful Improvements in Rein-Driven Pedal-Propelled 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in rein driven or pedal propelled hobby horses and the object in view is to produce a simple and efficient device of this nature comprising a wheel hobby horse which may be guided either by stirrup or rein operated mechanism, the guiding of the device in either case being by a pivotal front wheel having a suitable guiding head which may be moved laterally and returned by spring attachment to its normal position.

My invention comprises an apparatus of this nature having various other details of construction and combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claims.

I illustrate my invention in the accompanying drawings, in which:—

Figure 1 is a side elevation of the invention showing its application to a horse and cart and to be guided by reins. Fig. 2 is an enlarged detail in perspective of the guiding mechanism. Fig. 3 is a detail in top plan view, and Fig. 4 is a detail view of a modified form of the invention showing the guiding mechanism actuated by pedal connections.

Reference now being had to the details of the drawings by letter, A designates the body of a hobby horse and A' one of the front legs of a horse.

The front guiding wheel of the device is designated in the drawings by letter C and has an axle to which the wheel fork D is fastened in the usual manner common upon bicycles. Said fork is provided with a shank portion D' which is swiveled in the shell E, integral with the bracket arm E', which latter has a horizontally disposed portion F secured to the body of the horse, pref-

erably between its forward legs. Said shank portion of the fork has a head G securely fixed thereto and which turns upon the upper end of the shell E and is provided with curved branching arms H, to the terminals H' of which the reins I are connected. Each of said arms H has a curved projection K terminating in a head K' and which heads are spaced apart. The upper surface of the horizontally disposed portion F is provided with a groove Q adapted to receive a spring R which extends between the two heads K' and which, from a location adjacent to the forward edge of the projection F to the end which extends between said heads, is free and is adapted to yield with the steering head as it is turned to the right or left, said spring bearing yieldingly against one or the other of the heads when under tension and tending to return the steering gear to the position shown in Fig. 3 of the drawings after the steering head has been rotated in one direction or the other to guide the hobby horse.

In Fig. 4 of the drawings, I have shown a slight modification of the invention in which the front steering wheel, instead of having connected thereto the reins, has the stirrups, designated by letter T, directly connected to the arms H of the steering head.

In either of the forms shown in the drawings in which the front steering wheel is adapted to be actuated by stirrup or rein, the device is propelled by crank and link connection with the axle of the driving wheels.

From the foregoing, it will be noted that, by the provision of a hobby horse arranged for driving or riding, a simple and efficient means is afforded whereby the front wheel is adapted to be guided by the connection shown and automatically returned to a position to cause the horse to travel in a straight line forward or backward accordingly as the crank mechanism is driven in one direction or the other.

What I claim to be new is:—

1. A steering apparatus for hobby horses comprising a guiding wheel, a steering fork therefor, a horse, a bracket member fixed to the latter and having a shell in which the shank portion of said steering fork is swiveled, a head fixed to the shank portion of the fork and having branching arms, means connected to the latter for rocking the fork, a spring fastened to said bracket member and

serving to return the fork to its normal position after having been rotated within its bearing.

- 5 2. A steering apparatus for hobby horses comprising a guiding wheel, a steering fork therefor, a horse, a bracket member having a horizontally disposed projection fastened to the horse and provided with a shell in which the shank portion of said steering fork is
10 swiveled, a head fixed to said shank portion of the fork and having branching arms, means fastened to the latter for turning the steering head, fingers upon said arms terminating in heads and spaced apart, a spring
15 fastened to said projection of the bracket arm and having a free end extending intermediate said heads and serving to return the steering fork to its normal position after having been turned in its bearing.

- 20 3. A steering apparatus for hobby horses

comprising a guiding wheel, a steering fork therefor, a horse, a bracket member having a horizontally disposed projection fastened to the horse and provided with a shell in which the shank portion of said steering fork is
25 swiveled, a head fixed to said shank portion of the fork and having upwardly curved arms, reins connected to the latter, horizontally disposed fingers intermediate said arms and terminating in heads and spaced apart, 30
a spring fastened in a groove in said extension bracket arm and having its free end intermediate said heads.

In testimony whereof I hereunto affix my signature in the presence of two witnesses. 35

FRANK MAGEE.

Witnesses:

JOHN W. ARNER,
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