

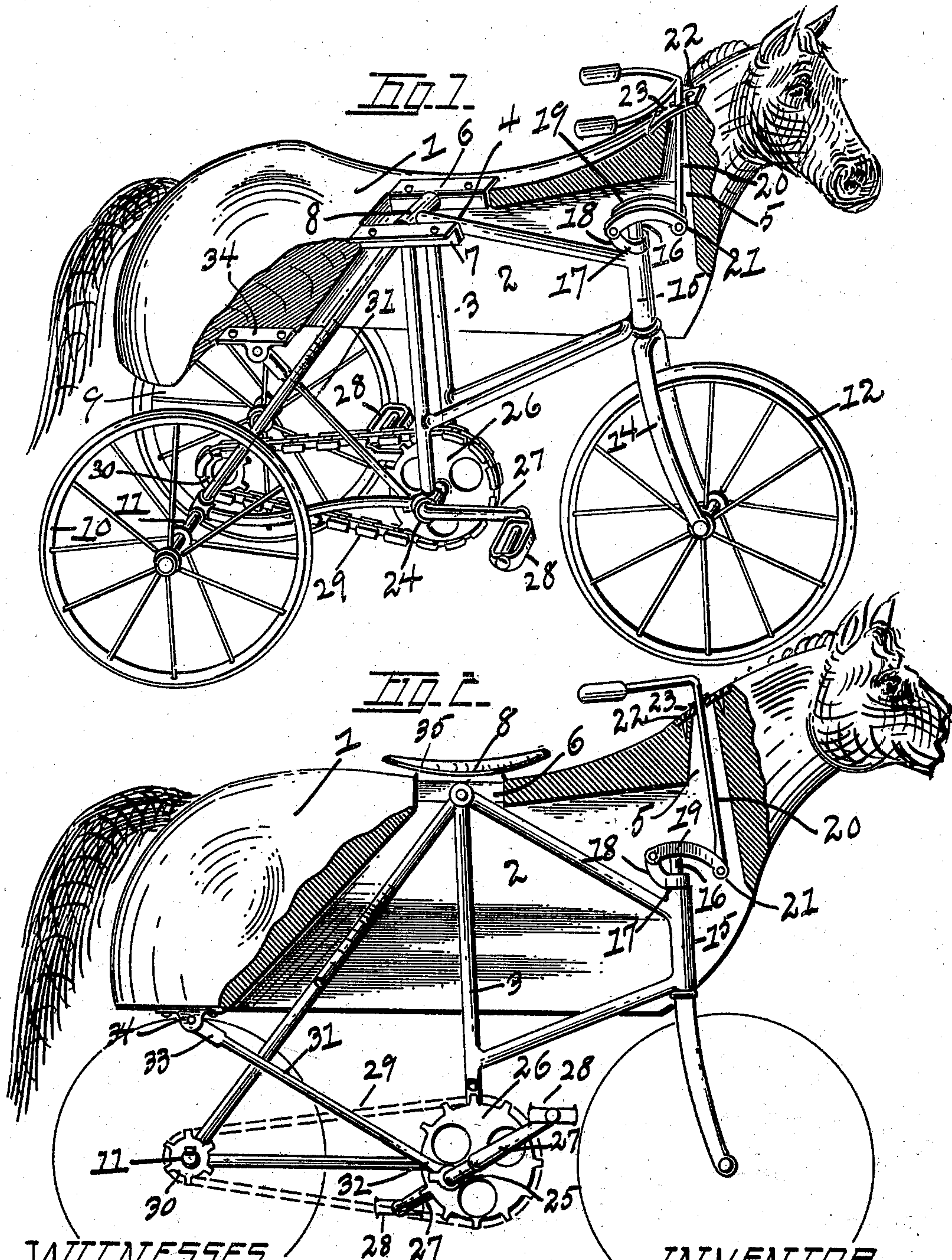
No. 671,029.

Patented Apr. 2, 1901.

R. PIPER.
ROCKING HORSE TRICYCLE.

(Application filed Apr. 10, 1900.)

(No Model.)



WITNESSES
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UNITED STATES PATENT OFFICE.

ROBERT PIPER, OF TOLEDO, OHIO.

ROCKING-HORSE TRICYCLE.

SPECIFICATION forming part of Letters Patent No. 671,029, dated April 2, 1901.

Application filed April 10, 1900. Serial No. 12,281. (No model.)

To all whom it may concern:

Be it known that I, ROBERT PIPER, of Toledo, county of Lucas, and State of Ohio, have invented certain new and useful Improvements in Rocking-Horse Tricycles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 figures of reference marked thereon, which form part of this specification.

My invention has reference to a rocking horse tricycle, and has for its object to provide an efficient and novel exercising device for children.

As an exerciser the ordinary velocipede is an excellent device for children, but is soon discarded by them for want of novelty.

My invention is novel to an extent to insure its use by the young for an extended period.

I further provide in carrying out my invention a means whereby my device may be used as an indoor rocking-horse when the condition of the weather will prevent its use out of doors.

I further provide certain novel features of construction and the parts and combination of parts hereinafter shown, described, and claimed.

In the drawings, Figure 1 is a perspective view of my invention, the body of the horse being cut away to disclose the mechanical arrangement thereof. Fig. 2 is a side elevation, a portion of the horse and also of the frame being cut away to more plainly disclose my invention. The position of the sprocket-chain is shown in dotted lines.

My invention consists of the figure of the horse 1, constructed of any suitable material, but preferably of wood, and is hollowed out on the interior at 2 to permit the frame 3 to enter. Extending entirely through the figure and joining the interior portion 2 are passages 4 and 5, respectively. Attached to the body of the figure 1 are angle-plates 6 and 7, secured pivotally to a cross-head 8, integral with the frame 3. Frame 3 is formed of tubing and is mounted upon wheels 9 and 10, secured upon the rear axle 11, and the wheel 12

journaled in the fork 14. Fork 14 is revolvably secured in the steering-head 15, through which the fork-stem 16 extends. Rigidly secured to the fork-stem 16 is the annular member 17, having an extended lug 18, to which links 19 are attached in hinged relation.

20 is a handle-bar stem hinged to links 19 at 21 and which extends through passage 5.

22 is a plate secured to the neck of the figure and has a central perforation through which the handle-bar stem 20 passes.

23 is a pin secured in the handle-bar stem, having the sides thereof extended to rest upon the plate 22 to hold the handle-bar proper in position above the neck. By this construction the handle-bar moves up and down with the figure.

24 is an ordinary crank-hanger in which the crank-axle is journaled.

25 is a crank extending from the crank-axle, to which the sprocket-wheel 26 is also secured.

27 represents pedal-cranks, and 28 pedals employed to impart motion to the sprocket-wheel 26 and crank 25.

29 is a sprocket-chain to transmit motion from the sprocket-wheel 26 to the sprocket 30, keyed to the axle 11.

31 is a connecting-rod, one end thereof 32 being secured to the crank 25 and the other end 33 hinged to a plate 34, secured to the figure. The saddle 35 is attached to the figure at a point just above the cross-head 3.

From the foregoing description the operation will be apparent. When motion is imparted to the device through the medium of the pedals, pedal-cranks, sprocket-wheels, and connecting sprocket-chain, the tricycle will pass over the ground and the figure of the horse will rock in life-like manner. By using a large driving-sprocket and a small sprocket, as I have shown, the figure will rock but once while the wheels make a number of revolutions. When it is desired to use the device as an indoor rocking-horse, the driving-chain is removed from the machine, which will permit the horse to rock without imparting motion to the wheels.

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

In a rocking-horse tricycle, the figure-body

mounted upon the frame, the revoluble rear axle journaled in said frame, wheels thereon adapted to revolve therewith, a driven sprocket keyed upon said rear axle, a driving-axle revolubly mounted in the frame, and
5 provided with pedal - cranks and pedals, a driving-sprocket upon said driving-axle, a sprocket-chain connecting said driving with said driven sprocket, a crank upon the driving-axle, a pitman connecting said crank with
10 the figure-body, a steering-fork provided with a steering-wheel, mounted in the forward part of the frame, a handle-bar having a stem ex-

tending through a perforation in the forward part of the figure-body, and links connecting 15 the lower end of the handle-bar stem with the upper end of the steering-fork, all combined to operate in the manner specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of 20 two witnesses.

ROBERT PIPER.

Witnesses:

CARL H. KELLER,
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