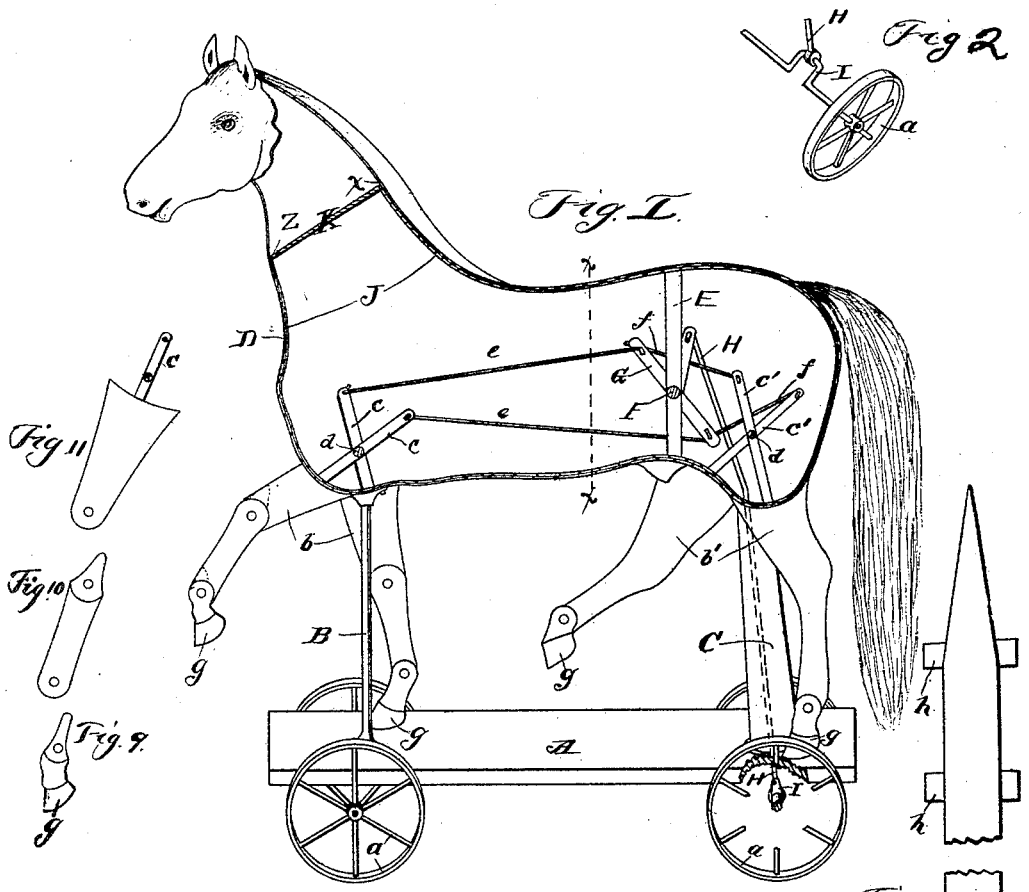
(No Model.)

W. V. SNYDER.

TOY.

No. 453,673. Patented June 9, 1891.



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TOY.

SPECIFICATION forming part of Letters Patent No. 453,673, dated June 9, 1891.

Application filed November 3, 1890. Serial No. 370,130. (No model.)

To all whom it may concern:

Be it known that I, WALDO V. SNYDER, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Toys; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a view showing the toy properly mounted upon a traveling platform and illustrating the mechanism for communicating motion to the legs of a horse or other animal. Fig. 2 is a view of a portion of the crank-shaft, showing one of the traveling wheels attached thereto. Fig. 3 is a view illustrating the connection of the pitman and the different parts connected thereto. Fig. 4 is a detached view of the center strip, showing the same detached from the side pieces forming the body of the horse or other animal. Fig. 5 is a transverse section through line *x x*, Fig. 1. Figs. 6, 7, and 8 are views of the supporting posts or standards. Figs. 9, 10, and 11 are views of the front leg, showing one of the front legs detached and its different parts disjointed.

The present invention has relation to toys; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claims.

Similar letters of reference indicate corresponding parts in all of the figures of the drawings.

In the accompanying drawings, A represents the traveling platform, which is mounted on the traveling wheels *a* in the ordinary manner. To the platform A are securely attached, in any convenient and well-known manner, the bottom or lower ends of the posts or standards B and C. The post or standard C is formed hollow and of the form illustrated in the drawings, for the purpose hereinafter described. To the top or upper ends of the posts or standards B and C is securely attached, in any convenient and well-known manner, the body D, which in this instance is that of a horse; but it will be understood that the body of any quadruped may be used without departing from the nature of my invention. To the body D are pivotally attached the legs *b* and *b'* by means of the arms *c* and *c'*, which arms *c* and *c'* are fulcrumed upon the bars *d*, which bars are attached to the body D in any convenient and well-known manner. To the center band J are attached the bars E, which bars are located substantially as illustrated in Fig. 1, and to which bars E is attached the cross bar or bolt F, to which cross-bolt is pivotally attached the compound bell-crank G. To the bell-crank G is attached the top or upper end of the pitman H, and the bottom or lower end of said pitman is attached to the crank I, as illustrated in Figs. 2 and 1. To the compound bell-crank are pivotally attached the wires or bars *e*, the opposite ends of said wires or bars being attached to the top or upper ends of the arms *c*. To the compound bell-crank G are also attached the wires or bars *f*, which wires or bars are attached to the top or upper ends of the arms *c'*. It will be understood that as motion is communicated to the compound bell-crank G by means of the crank I and the pitman H motion will be communicated to the legs *b* and *b'* by means of the connecting wires or bars *e* and *f*. The body D is supported at such a height that when the legs *b* and *b'* are brought down the bottom of the hoofs *g* will strike the top of the platform A, thereby representing or producing the sound of a trotting horse or other animal. It will be understood that as the platform A, together with its different attachments, is propelled, rotary motion will be communicated to the crank I, which in turn communicates reciprocating motion to the pitman H, thereby producing the natural movements of the legs *b* and *b'*. For the purpose of concealing the pitman H, I locate the post or standard C directly over the crank I and form said post or standard hollow to receive the pitman H.

The body D is preferably formed of sheet metal, and the center band J is provided, which extends from about the point X to the point Z. This center band J is provided with any desired number of cross-strips of metal *h*, which are soldered or otherwise attached to said center band J, and are for the purpose of providing a better means for attaching and soldering the side pieces forming the body D. If desired, the center band J may be formed of a single strip of metal and bent to conform with

the longitudinal center of the animal; or, if desired, said center band may be formed in two or more sections and each section bent or formed so as to give it the proper configuration, and the sections united together after they have been properly formed.

It will be understood that by providing a center band J, I am enabled to locate and adjust the mechanism located within the body D before attaching the side pieces which form or compose the body D.

For the purpose of holding the center band J at its ends, as at X and Z, the connecting-bar K is provided, and is soldered or otherwise attached to the ends before the side pieces forming the body D are attached, thereby properly holding the ends of said bands in proper position. The center band J extends longitudinally through the body D, and its ends terminate at the points Z and X.

For the purpose of providing a support for the internal mechanism I provide the center band J and the bars E.

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

1. The combination of the platform A, mounted on the traveling wheels *a*, the body D, attached to the platform A by means of the posts or standards D and C, the legs *b* and *b'*, provided with the arms *c* and *c'*, the crank I, the pitman H, the compound bell-crank G, and the wires or rods *e* and *f*, substantially as and for the purpose specified.

2. The combination of the platform A, mounted on the traveling wheels *a*, the body D, the post or standard B, the hollow post or standard C, the pitman H, extending through the hollow post C, and means for communicating motion to the legs *b* and *b'*, substantially as and for the purpose specified.

3. The combination of the body D, supported upon the platform A, the hollow post or standard C, located directly over the crank I, the pitman H, and means for communicating motion to the legs *b* and *b'*, substantially as and for the purpose specified.

4. The combination of the body D, provided with the movable legs *b* and *b'*, and the center band J, provided with the cross-bars E, said cross-bars forming a support for mechanism through which the legs are set in motion, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WALDO V. SNYDER.

Witnesses:
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