

E. M. SHREINER & A. LEININGER.
TOY.

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UNITED STATES PATENT OFFICE.

EDWARD M. SHREINER AND AUGUSTUS LEININGER, OF CANTON, OHIO.

TOY.

SPECIFICATION forming part of Letters Patent No. 490,319, dated January 24, 1893.

Application filed August 6, 1892. Serial No. 442,357. (No model.)

To all whom it may concern:

Be it known that we, EDWARD M. SHREINER and AUGUSTUS LEININGER, citizens 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 we 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 side elevation showing the internal mechanism for communicating motion to the pivoted legs, and illustrating the platform in longitudinal section. Fig. 2, is a view showing the position of the rock-bar, and its shaft; and also illustrating the connecting wires. Fig. 3, is a view showing the crank shaft, and illustrating the position of the pitman and its attachment to one of the legs. Fig. 4, is a detached view of the traveling platform showing the wheels removed therefrom. Fig. 5, is a transverse section showing the position of one set of the pivoted legs, and also illustrating the top or upper part of one of the supporting rods, and showing the body in section.

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 claim.

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

In the accompanying drawings A, represents the traveling platform, to which platform are journaled the wheels *a*, said traveling wheels being located and arranged substantially as illustrated in the drawings. To the top or upper side of the traveling platform A, is attached the body B, which in this instance is that of a horse; but it will be understood that the body of any other quadruped may be attached without departing from the nature of our invention. To the body B, are pivotally attached the legs *b*, and *b'*, by means of the rivets or bolts *c*. To the top or upper ends of the pivoted legs *b*, and *b'*, are attached the arms *d* and *d'*; or if desired said arms *d* and *d'* may be formed integral with the pivoted legs *b* and *b'*; and in

the event the legs *b* and *b'* are formed of cast-metal, the arms *d* and *d'*, may be cast with said legs. The body B, is provided with the sockets C, which sockets receive the top or upper ends of the pivoted legs *b* and *b'*, substantially as illustrated in Figs. 1 and 5. The front or forward shaft D, is provided with the crank *e*, to which crank is journaled the pitman *f*, said pitman extending rearward, and pivotally connected to the bar *g*, which bar extends upward and is securely attached to the bottom or lower end of one of the pivoted legs *b'*; or if desired, the bar *g*, may be formed integral with the leg *b'*. The rock-bar E is securely attached to the shaft F, which shaft is journaled to the sides of the body B, by means of the cone-bearings *h*. To the rock-bar E, are pivotally attached the connecting wires *h'*, which connecting wires are attached to the respective arms *d* and *d'*, substantially as illustrated in Fig. 1.

It will be understood that as the shaft D, is rotated, a reciprocating motion will be communicated to the pitman *f*, which in turn communicates a vibrating motion to one of the legs *b'*, by means of the bar *g*, which in turn communicates motion to all of the legs *b* and *b'*, by means of the arms *d* and *d'*, and the connecting wires *h'*, thereby giving to the animal a life-like movement, as the traveling platform A, is propelled. For the purpose of adjusting the body B, together with its pivoted legs *b* and *b'*, to or from the traveling platform A, the posts or standards G, are provided with right and left hand screw threads; the top or upper screw threads being received into a screw threaded aperture formed in the body B; and the lower screw threads being received into the screw threaded apertures formed in the platform A. The body B, is formed in two sections or halves, and the sections or halves attached together by means of rivets such as *k*. The screw threaded apertures *k'*, are formed by semi-circular recesses formed in each section of the body B; or in other words, one-half of the screw threaded apertures *k'*, are formed in each section of the body B.

The platform D, is provided with the screw threaded apertures *k''*, which are for the purpose of receiving the bottom or lower ends of the posts or standards G. The traveling plat-

form A, is also provided with the elongated slot k^3 , which is for the purpose of receiving the arm or bar g .

By providing the ends of the posts or standards with right and left hand screw threads we are enabled to adjust the body B together with its different attachments to or from the platform A thereby placing said body in proper adjustment in relation to the pivoted legs, and pitman.

Having fully described our invention what we claim as new and desire to secure by Letters Patent is—

In a toy the combination of the traveling platform A, the body B provided with the

pivoted legs b and b' , the arms d and d' the rock bar E, the connecting wires h' the bar g fixed to one of the legs b' the pitman f , the crank e the shaft D, the screw threaded apertures k' and k^2 and the posts G provided with right and left hand screw threads, substantially as and for the purpose specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

EDWARD M. SHREINER.
AUGUSTUS LEININGER.

Witnesses:

F. W. BOND,
LAURA SHAEFFER.