

(No Model.)

K. KNUTSON.
TOY.

No. 506,435.

Patented Oct. 10, 1893.

Fig. 1.

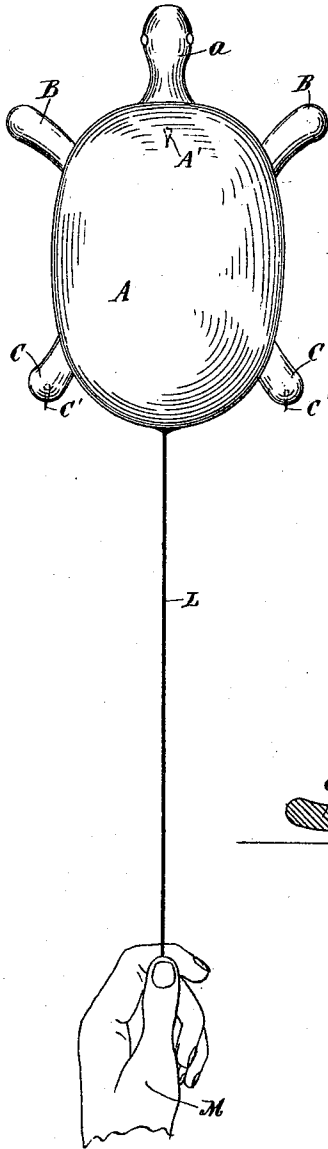


Fig. 2.

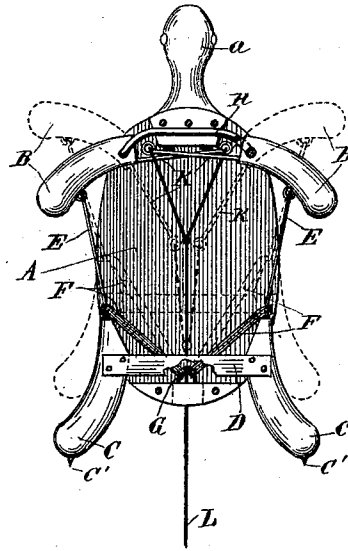
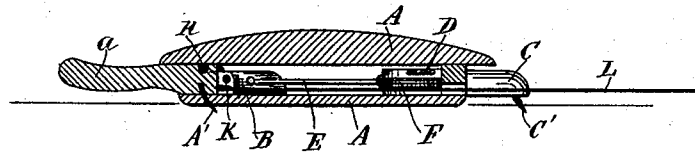


Fig. 3.



Witnesses.

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To all whom it may concern:

Be it known that I, KNUT KNUTSON, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Toys; 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 for its object to provide an amusing toy. To this end, I employ a device comprising a figure representing a turtle and means for propelling the same. The legs of the turtle are movable, and are connected so as to cause all to move at once, thus imitating the movements of a live turtle. To conform these movements still more closely to an exact imitation, the front legs are pivoted to swing outward while the rear legs are mounted to slide longitudinally of the figure, giving the appearance of drawing into the shell. The body of the figure and one or more of the movable legs carry detents which engage the support over which they are moved in a common direction and escape or slip over the support in the other direction. The said body and said movable legs are also connected by a spring which normally holds the parts at one limit of their relative movement. Either the movable legs or the body, according to the arrangement of the spring to hold the said legs to one extreme or the other as their normal position, is provided with a flexible connection which extends to the exterior of the figure. By this flexible connection the said spring may be successively set under tension and released, moving the said legs and said body relative to each other, by causing their respective detents to engage with the support, in succession, thereby impelling the entire figure by an intermittent motion. This flexible connection may be of any desired length to permit the figure to be moved to a greater or less distance from the operator.

My preferred form of the device is illustrated in the accompanying drawings, wherein like letters referring to like parts throughout the several views.

Figure 1 is a plan view showing the device under action from the hand of the operator.

Fig. 2 is also a plan view of the device, the top of the figure or back of the turtle being removed; and Fig. 3 is a central vertical longitudinal section of the same.

A, a, B, C is the figure representing a turtle, of which A is the shell cut away to permit the legs and other mechanism to work within the same; a is the head; B are the pivoted front legs and C are the sliding-rear legs. The sliding rear legs are rigidly connected to each other by a cross bar D and also to the front legs by connecting-rods E.

In the bottom of the shell A and also at the free ends of the rear legs C, are brad-like detents, respectively A' and C'. These detents are pitched toward the rear, so as to catch in the floor or support over which they are moved, as before described.

The cross-bar D is made of pliable material to permit the sliding-legs C to be set with their free ends at a proper dip to permit their detents C' to engage the floor.

F are the springs connecting the legs with the body. The springs in this case are, for cheapness of construction, in the form of endless elastic bands, passing around the connecting rods E, to secure them to the movable legs and to the body through a staple G, which staple is driven into the rear of the shell after the other parts are placed in position. The front legs B are pivoted on the opposite ends of a staple like rod H, secured in the forward part of the shell.

K are extensions of the front legs, in the form of rods which with said legs constitute levers, and to which the flexible operating connection L, which in this case is a cord, is attached.

M represents the hand of the operator.

The operation is evident. By pulling on the cord L, the legs are thrown in advance of the body A, the detent A' serving as a base of resistance. Upon releasing the said cord the springs F draw the body up into normal position with reference to the said legs, the detents C' then serving as the base of resistance. The device thus constructed gives a toy, which in its movements and appearance affords a good imitation of a live turtle. The flexible operating connection may be of any desired length and the turtle controlled from or driven to a greater or less distance accordingly.

It should be noted that the toy will work best over a carpet or similar material. It will also work over pine or other soft wood. When used over a carpeted floor, the toy will stand very rough usage even to the weight of a man on top of the shell, as the brads simply sink into the carpet and the weight is sustained on the body of the figure.

What I do claim, however, and desire to secure by Letters Patent, is as follows:

1. A toy comprising a figure representing a turtle, having its front legs pivoted and its rear legs mounted to slide, said rear legs being connected with each other by a pliable cross-bar, for setting the same at the proper dip, and with the said front legs by connecting rods, for causing all of the legs to move together, said body and one or more of said legs having the detents engageable in a common direction, with the surface over which they are moved—a spring connecting said legs with said body, and a flexible connection directly or indirectly connected to said spring for setting the same under tension and impelling the figure, substantially as described.

2. In a toy substantially as described, the combination with the body or shell A provided with the detent A' of the pivoted front

legs B carrying the extensions K, the sliding rear legs C connected with each other by a cross bar D one or more of said legs being provided with detents, as C', the connecting rods E connecting said front and said rear legs, the elastic band F connecting said legs with said body, and the flexible connection L from the extensions K of the legs B, substantially as described.

3. In the toy substantially as described, the combination with the body or shell A provided with the detent A' of the pivoted front legs B carrying the extensions K, the sliding rear legs C connected with each by the pliable bar D and carrying at their free ends detents C', the connecting rods E connecting said front legs with said rear legs, the elastic bands F connecting said legs with said body and the flexible connection L from extensions K of legs B and extending to the exterior of the figure for the purpose set forth.

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

KNUT KNUTSON.

Witnesses:

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FRANK D. MERCHANT.