March 29, 1927. 1,622,473

E. A. STIER

FIGURE WHEELED TOY

Filed Oct. 20, 1925

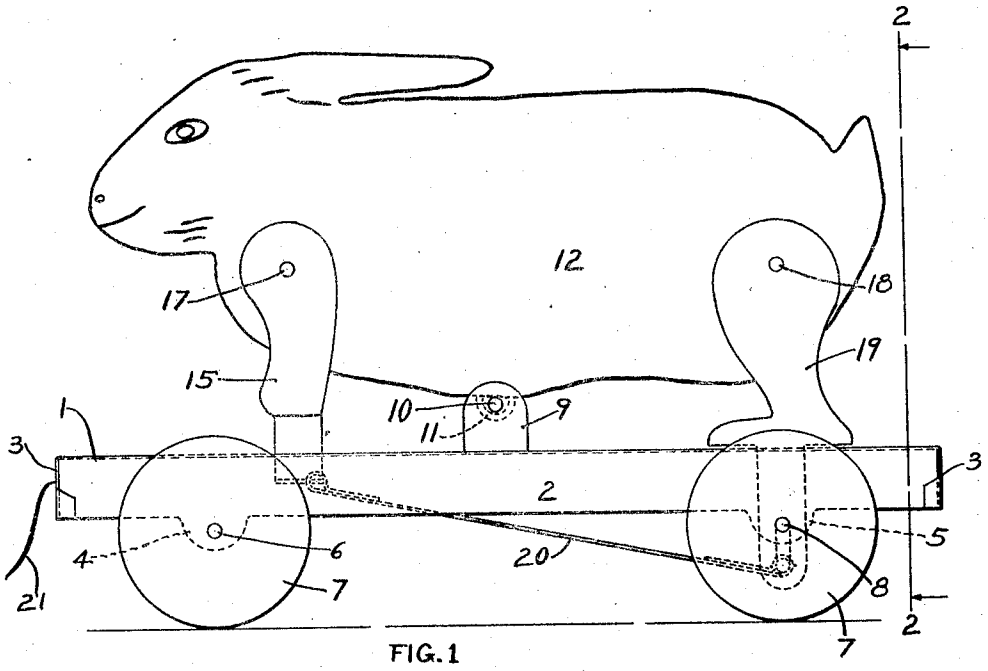


FIG. 1

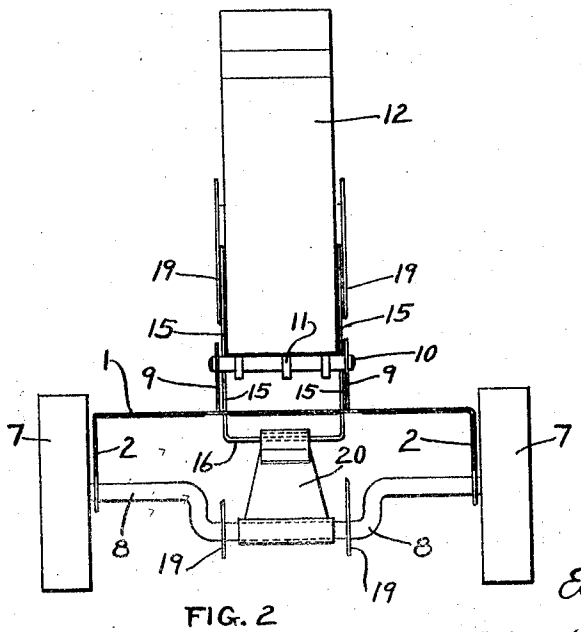


FIG. 2

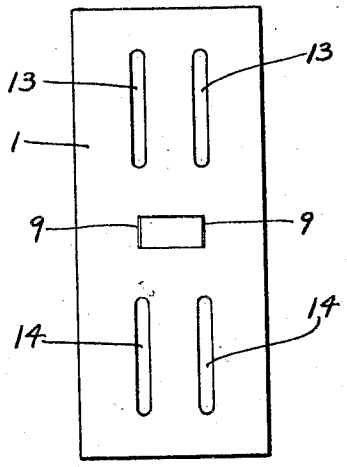


FIG. 3

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UNITED STATES PATENT OFFICE.

EUGENE A. STIER, OF NEAR DAYTON, OHIO.

FIGURE WHEELED TOY.

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This invention relates to new and useful improvements in figure toys.

It is the principal object of my invention to provide a simple, strong and instructive figure toy which will imitate both the body and leg movements of an animal such as a rabbit when running. The parts of the toy by which these movements are achieved are few in number, and are simply made and connected so that it may be constructed at small cost.

In the accompanying drawings illustrating one form of embodiment of my invention, Figure 1 is a side elevational view of my figure toy. Figure 2 is a sectional view thereof taken on the line 2—2 of Figure 1. And Figure 3 is a partial bottom plan view of the toy.

Referring to the accompanying drawings for a detailed description of the form of embodiment of my invention illustrated therein, the numeral 1 designates a base which is preferably constructed of light metal and having downwardly projecting sides 2, 2 and ends 3, 3. Formed on the front and rear bottom portions of the sides 2, 2 are oppositely disposed ears 4, 4 and 5, 5 respectively. Through holes in the front ears 4, 4 there projects a transverse shaft 6 upon which front wheels 7, 7 are mounted, and through holes in the rear ears 5, 5 there project the ends of a crank 8 upon which rear wheels 7, 7 are fast.

Turned upwardly from the middle portion of the base 1 are two oppositely disposed ears 9, 9 containing holes that receive a transverse pivot pin 10 which, between said ears, is secured by staples 11 or other suitable fastening elements to the central bottom part of a body 12 that is formed in simulation of a rabbit, although it may be constructed to imitate the body of any other figure.

Formed in the front portion of the base 1 slightly beyond the vertical planes of the sides of the body 12, are two parallel slots 13, 13, and in the rear portion of said base, in line with the last named slots, are slots 14, 14. Projecting upwardly and freely through the front slots 13, 13 are the legs 15, 15 of a preferably flattened U-shaped piece of metal 16 whose cross portion is above the horizontal plane of the shaft 6. The upper portions of the legs 15, 15, of the metal piece 16 are formed to imitate the legs of the body 12, and are pivotally secured to the sides of the latter by pivot pins 17. When the body 12 is rocked by the means soon to be described, the front legs 15, 15 thereof will be permitted a free vertical and horizontal movement through the slots 13, 13 in the base 1 to imitate the leg movements of the animal which the figure represents, when running.

Pivotally secured to the rear side portions of the body 12 by pins 18, 18 are legs 19, 19 respectively whose upper portions are formed in simulation of the hind legs of the animal represented by the figure. These legs project freely downwardly through the rear slots 14, 14 in the base 1 for pivotal connection with the crank 8. When this crank is turned by the rear wheels 7, 7 fast on its ends, it will reciprocate the legs 19, 19 to imitate their running movement, and through them it will rock the body 12 to communicate to it the motion that the animal which it represents has when running. In order that the front legs 15, 15 may be given a corresponding movement, the bottom part of the U-shaped piece 16 is formed with a slot to receive the reduced, turned-over front end of a preferably flattened arm 20, whose rear end is turned over the throw of the crank 8 between the rear legs 19, 19. Thus, it will be seen, that when the crank 8 is turned, it will reciprocate the arm 20 to communicate to the front legs 15, 15 a simulation of the movement they will have when the animal imitated by the body 12 is running.

The toy just described may be drawn over the floor by a string 21 or other means to present for the entertainment and instruction of a child or an adult, the simulation of an animal such as a rabbit in the act of running. Not only does the body imitate this running movement, but the legs as well.

I do not desire to be limited to the details of construction and arrangement herein shown and described, and any changes or modifications may be made therein within the scope of the subjoined claims.

Having described my invention, I claim:

1. A figure toy comprising a base, wheels supporting the latter, a crank secured to the base and to which one pair of wheels is attached, a figure pivotally mounted at its middle portion upon said base, the latter being provided with front and rear parallel slots, a pair of legs projecting through the rear slots and pivotally connected between

the rear portion of said figure and the crank, a U-shaped member whose legs project upwardly through the front slots for pivotal connection to the front part of said figure, and means connecting the crank and the cross portion of the U-shaped member, for the purpose specified.

2. A figure toy comprising a base, wheels supporting the latter, a crank secured to the base and to which one pair of wheels is attached, a figure pivotally mounted at its middle portion upon said base, the latter being provided with front and rear parallel slots, a pair of legs projecting through the rear slots and pivotally connected between the rear portion of said figure and the crank, a U-shaped piece whose legs project upwardly through the front slots for pivotal connection to the front part of said figure, and an arm pivotally connected between the crank and the cross portion of the U-shaped piece below the base, for the purpose specified.

In testimony whereof I have hereunto set my hand this 19th day of October, 1925.

EUGENE A. STIER.