H. E. HOUSE.

TOY.

APPLICATION FILED DEC. 20, 1920.

1,416,029. Patented May 16, 1922.

Fig. 1.

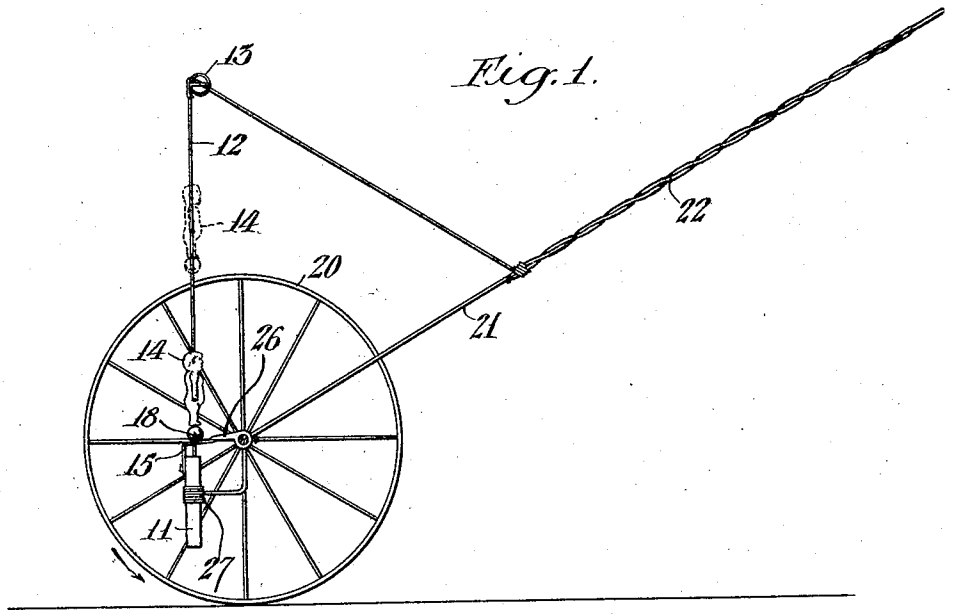


Fig. 2.

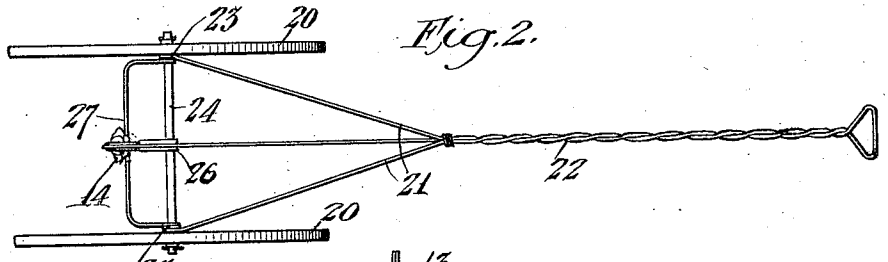


Fig. 3.

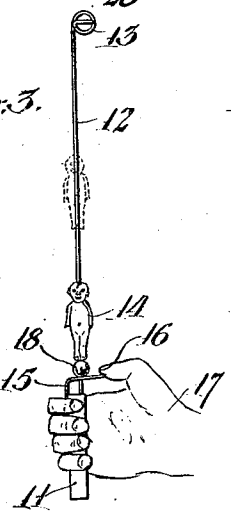
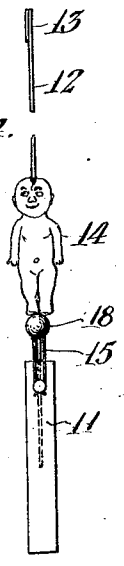


Fig. 4.



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UNITED STATES PATENT OFFICE.

HERBERT E. HOUSE, OF PASADENA, CALIFORNIA.

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Application filed December 20, 1920. Serial No. 431,896.

To all whom it may concern:

Be it known that I, HERBERT E. HOUSE, a citizen of the United States, residing at Pasadena, county of Los Angeles, and State of California, have invented a new and useful Improvement in Toys, of which the following is a specification.

My invention relates to toys and comprises the novel combination and arrangement of parts shown in the drawing and described in the annexed specification.

Referring to the drawing which is for illustrative purposes only,

Fig. 1 shows one form of my toy as arranged for traction operation.

Fig. 2 represents a plan view thereof.

Fig. 3 represents a portion of the same toy removed for a hand operation.

Fig. 4 is another view of same on a larger scale.

My invention comprises a handle 11 which may be formed of wood and to which a guideway 12 is secured. This guideway in the form shown is a single wire having a loop 13 at the top thereof. Mounted on the wire 12 is an object 14 which may be preferably of a small celluloid doll. Secured to the handle 11 is a spring member 15 which is bent in the form of a loop having its ends secured to the handle, the branches of this loop extending on either side of the wire 12 projecting into a position to be engaged by the thumb 16 of a hand 17 grasping the handle 11. A wooden ball 18 is also placed on the wire 12 between the object 14 and the spring 15. When operated by hand, the spring 15 is snapped by the thumb 16, thus snapping the ball 18 and the object 14 upwardly. Object 14 is prevented from leaving the wire 12 by the loop 13.

The toy may be operated in the manners shown in Figs. 3 and 4 or it may be mounted to be operated by the wheels 20 of the device shown in Figs. 1 and 2. In the latter case a frame 21 is provided with the handle 22, this frame having bearings 23 formed thereon in which an axle 24 turns. Turning with the axle 24 are the wheels 20 either or both of which may be secured to the axle 24. Secured to the center of the axle 24 is a pawl 26 which is so placed that it strikes upon the spring 15, the handle 11 being secured in a bracket 27 forming a part of the frame 21.

If a child pushes the device shown in Figs. 1 and 2 along the floor, the pawl 26 presses down on the spring 15 and then releases it, snapping the object 14 upwardly on the wire 12.

I claim as my invention:

1. A toy comprising: a frame; an axle turning in bearings on said frame; a figure; means for restraining said figure to move in a definite path with relation to said axle; a wheel on said axle; spring means upon which said figure rests at one end of its path; and means by which said wheel compresses and suddenly releases said spring means.

2. A toy comprising: a frame; an axle turning in bearings on said frame; a figure; means for restraining said figure to move in a definite path with relation to said axle; a wheel on said axle; spring means upon which said figure rests at one end of its path; means securing said wheel to said axle; and a pawl fixed to said axle in such a position as to gradually compress and suddenly release said spring means.

3. A toy comprising: a frame; an axle turning in bearings on said frame; a guide extending upwardly from said frame; a figure sliding on said guide; a wheel on said axle; spring means upon which said figure rests at one end of its path; and means by which said wheel compresses and suddenly releases said spring means.

4. A toy comprising: a frame; an axle turning in bearings on said frame; a guide extending upwardly from said frame; a figure sliding on said guide; a wheel on said axle; spring means upon which said figure rests at one end of its path; means securing said wheel to said axle; and a pawl fixed to said axle in such a position as to gradually compress and suddenly release said spring means.

5. A toy comprising: a frame; an axle turning in bearings on said frame; a figure; means for restraining said figure to move in a definite path with relation to said axle; a wheel on said axle; a spring means fixed to said frame in such a position that said figure rests thereon at its lowest position; and means by which said wheel compresses and suddenly releases said spring means.

6. A toy comprising: a frame; an axle turning in bearings on said frame; a figure; means for restraining said figure to move in a definite path with relation to said axle; a wheel on said axle; a spring means fixed to said frame in such a position that said figure rests thereon at its lowest position;

means securing said wheel to said axle; a pawl fixed to said axle in such a position as to gradually compress and suddenly release said spring means.

7. A toy comprising: a frame; an axle turning in bearings on said frame; a guide extending upwardly from said frame; a figure sliding on said guide; a wheel on said axle; a spring means fixed to said frame in such a position that said figure rests thereon at its lowest position; and means by which said wheel compresses and suddenly releases said spring means.

8. A toy comprising: a frame; an axle turning in bearings on said frame; a guide extending upwardly from said frame; a figure sliding on said guide; a wheel on said axle; a spring means fixed to said frame in such a position that said figure rests thereon at its lowest position; means securing said wheel to said axle; and a pawl fixed to said axle in such a position as to gradually compress and suddenly release said spring means.

In testimony whereof, I have hereunto set my hand at Los Angeles, California, this 14th day of December, 1920.

HERBERT E. HOUSE.