

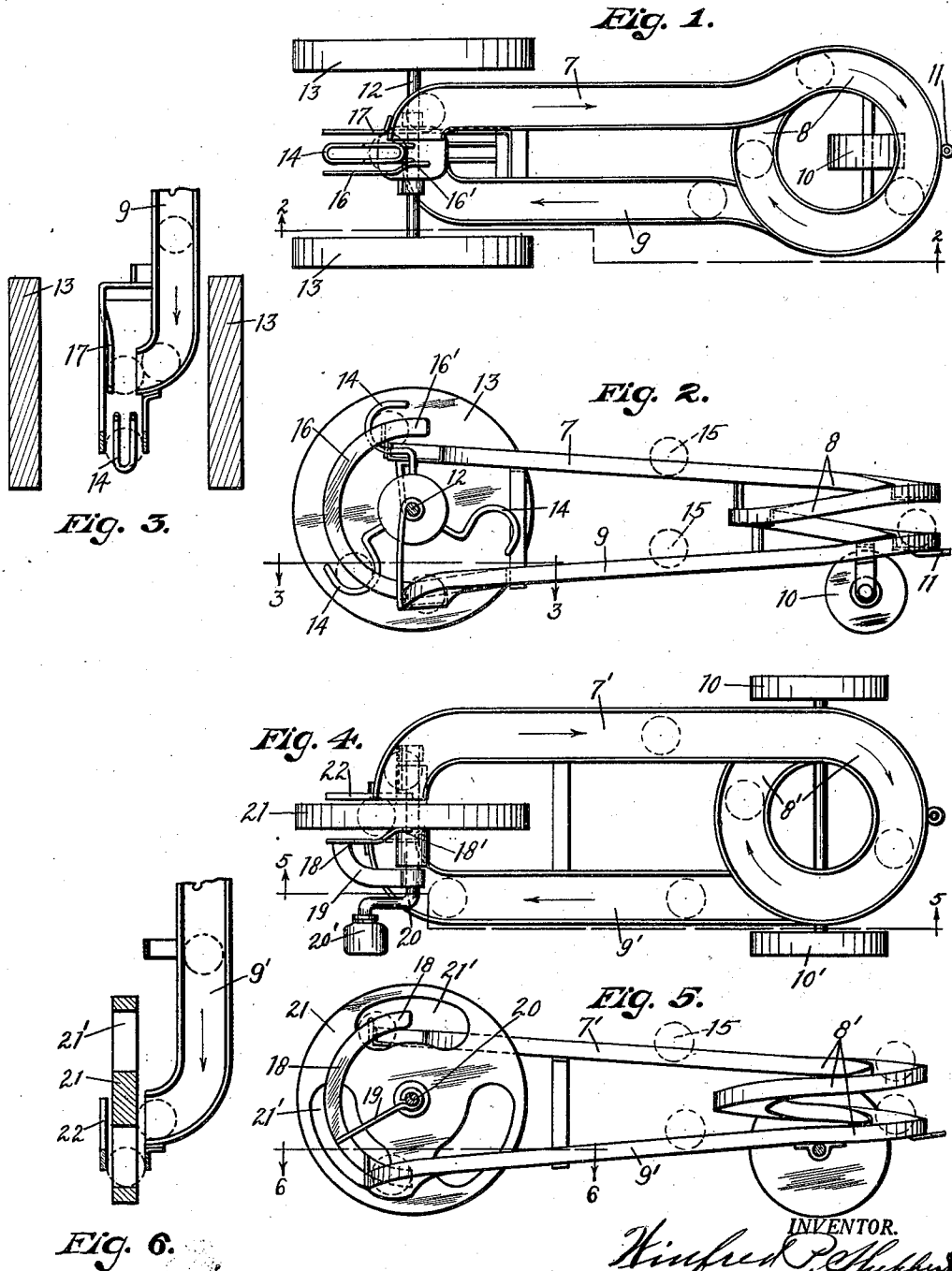
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TOY

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TOY

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My invention relates to toys, and more particularly to a toy having a runway for marbles or other rolling elements, said runway being inclined to a loop and back to a point beneath the starting point, with means for elevating the marbles or elements to the upper elevation.

Among the salient objects of my invention are: to provide in a toy of the character referred to a revolving element adapted to successively pick up the marbles or other rolling elements and to lift them and discharge them on to the upper level for the starting of another trip over the runway; to provide in such a toy a revolving element which is revolved to perform its function as the toy is moved along over a surface; to provide such a toy which can be pulled over the floor by a child and which will continuously keep the marbles or rolling elements rolling down the inclined runway, around the loop, back to the elevator and after being elevated to the upper level, repeat the trip.

In order to explain my invention, I have illustrated the same on the accompanying sheet of drawings, in which,—

Figure 1 is a top plan view of a toy embodying my invention;

Figure 2 is a side elevation thereof; with the near wheel removed on line 2—2;

Figure 3 is a sectional view taken on the line 3—3 of Fig. 2;

Figure 4 is a top plan view of a slightly modified form of the invention;

Figure 5 is a side elevation thereof; and

Figure 6 is a fragmentary sectional view taken on line 6—6 of Fig. 5.

Referring now to the drawings in detail, Figs. 1 to 3, inclusive, the runway is formed of metal and consists of an upper runway 7, terminating in a loop 8, which continues in a lower runway 9. The loop end of the runway is supported on a wheel 10, and is provided with means 11 for attaching a pull cord to said toy. The ends of said runway are supported on an axle 12, having two side wheels 13, 13. The two ends of the runway terminate in open ends turned toward each other, with an elevator means therebetween, on the axle 12, and consisting of a plurality

of elevator hooks 14, 14, designed to receive the marbles, or other rolling elements, designated 15, 15, as they come to end of the lower, inclined runway 9, and to carry or lift the same to the end of the upper runway 7, at which a spring element 16, having its end bent, as at 16', directs said marble or rolling element 15 onto the end of the upper runway 7. At the end of the lower runway 9, there is also a spring member 17, positioned to check the element and facilitate its lodgment in the elevator hook, holding it until the hook arrives.

Referring to Figs. 4 to 6, inclusive, the upper runway is designated 7', the loop 8', the lower runway 9'. The loop end of the runway is supported on an axle and two wheels, 10'. The ends of the runway are supported on a member 18, with wire arms 19, to an axle 20, provided with a single wheel 21, having a plurality of elongated openings 21' therein to receive the marbles or rolling elements and carry them from the lower level to the upper level. The member 18 may be of spring material with its ends bent, as at 18' to direct the elements to or from the ends of the runways, as will be clear from the drawings. A supporting member 22, at the opposite side of the elevator wheel 21, also serves to prevent the marbles from going through the elevator wheel, as will be clear from Fig. 6. 20' is a handle or crank for turning the elevator 21.

While I have shown and described two embodiments of my invention, it will be possible to make other modifications therein without departing from the spirit of my invention, and I do not, therefore, limit the invention to the constructions and arrangements shown for explanatory purposes, except as I may be limited by the hereto appended claims.

I claim:

1. A toy having traction wheels and a gravity runway, for rolling elements, said runway having upper and lower levels, and means operated by the traction of said toy for lifting rolling elements from the lower level to the upper level, said means being operated by the movement of said toy over a surface.
2. A wheeled toy including in combination a two level runway for rolling elements to run by gravity thereon, and means, operated by

the traction of said toy for lifting said elements from the lower level to the upper level, said means being adapted to be revolved about a transverse axis.

5 3. A toy consisting of a structure forming an inclined runway with a loop intermediate its ends, one end being above the other end, traction wheels therefor, and means operated
10 by said traction wheels for lifting rolling elements from one end up to the other end, said elements being adapted to roll along said runway and around said loop to the lower
end to said lifting means.

4. A wheeled toy including a structure
15 forming an inclined runway with a loop interposed intermediate its ends and with its ends turned toward each other at different elevations, a revolving member between said ends and adapted to receive rolling elements from
20 the lower end and elevate them to the upper end of said runway, and means operated by the traction of said toy for operating said revolving member to successively elevate said
elements to the upper end of said runway.

5. In a toy a channel member forming a
25 runway, said member being formed into a spiral loop intermediate its ends and continuing in an inclined runway to a position below the upper end, whereby rolling elements will
30 run by gravity from the upper end of said runway and around said loop and to the lower end, a wheel supporting the loop end of said toy, a wheel supporting the two ends
of said runway, one above the other, and revolving means for elevating said rolling
35 elements from the lower end to the upper end of said runway, said means being revolved by the traction movement of said toy over the floor.

40 6. A marble toy including in combination carrying wheels, a gravity runway for marbles carried thereby, and an elevator for receiving said marbles successively at one position and elevating them to a higher position
45 to run down said runway, said elevator being operated by the traction of said carrying wheels.

Signed at Los Angeles, Los Angeles
County, California, this 29th day of August,
50 1928.

WINFRED P. SHEPHERD.

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