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2,983,073

FREE WHEELER TOY

Filed June 16, 1959

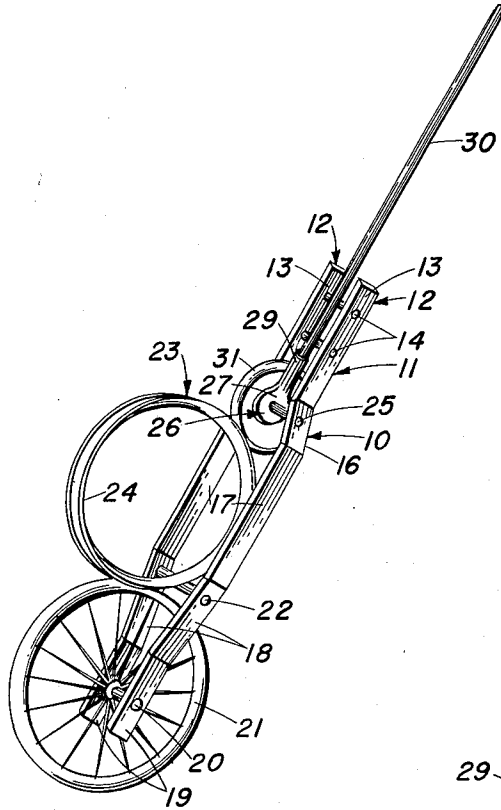


FIG. 1

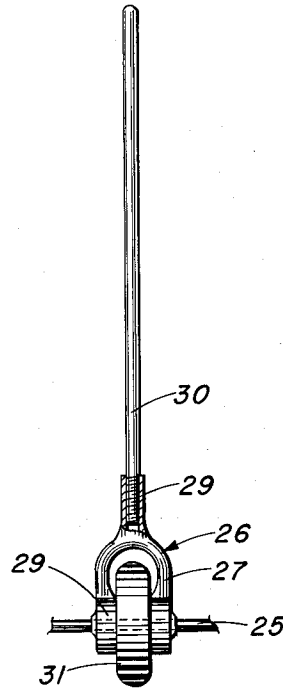


FIG. 2

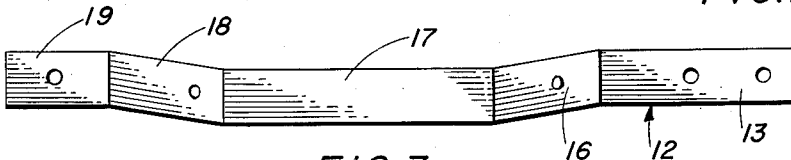


FIG. 3

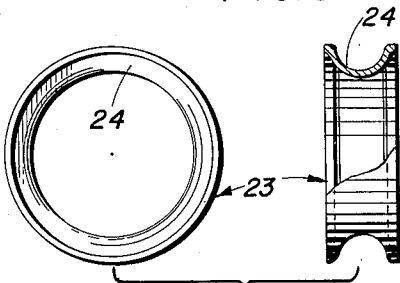


FIG. 4

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1

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## FREE WHEELER TOY

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1 Claim. (Cl. 46—204)

This invention relates to an amusement device, and more particularly to a wheel type of toy which is adapted to be pushed or pulled along a surface such as the ground.

The object of the invention is to provide an amusement device which includes a plurality of wheels, and wherein one of the wheels is adapted to be balanced when the toy is operated with sufficient dexterity so as to provide amusement and recreation to the user or onlooker.

Another object of the invention is to provide a wheel toy which includes a frame that has a first wheel connected thereto, and wherein the first wheel is adapted to engage a ground or other surface, and wherein there is provided another wheel which engages the first wheel, and wherein the last named wheel is adapted to be balanced or held in position when the device is moved or used, and wherein the skill of the user determines whether or not one of the wheels will remain properly balanced so that a highly amusing and pleasant device is provided.

A further object of the invention is to provide an amusement device which is extremely simple and inexpensive to manufacture.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawing, forming a part of this application, and in which like numerals are used to designate like parts throughout the same:

Figure 1 is a perspective view of the amusement device of the present invention.

Figure 2 is a fragmentary elevational view of the present invention illustrating certain structural details thereof.

Figure 3 is an elevational view of one of the bars.

Figure 4 illustrates the wheel which is adapted to be balanced on the device.

Referring in detail to the drawing, the numeral 10 indicates the amusement device of the present invention which is shown to comprise a frame 11, and the frame 11 includes a pair of similar bars 12. Each of the bars 12 include a first portion 13, and the first portions 13 are arranged in spaced parallel relation with respect to each other. Pins or bolts 14, serve to connect the first portions 13 together. The bars 12 further include angularly arranged second portions 16, and the numeral 17 indicates third portions which are arranged adjacent the second portions 16, the third portions 17 being arranged in spaced parallel relation with respect to each other. Angularly arranged fourth portions 18 are contiguous to the third portions 17, and the bars further include spaced parallel fifth portions 19.

The numeral 20 indicates an axle which extends between the fifth portions 19, and a first wheel 21 is mounted on the axle 20.

The numeral 22 indicates a cross pin which extends between the fourth portions 18, and there is further provided a second wheel 23 which is adapted to engage the first wheel 21. As shown in Figure 4 for example, the

2

wheel 23 includes a rim 24 which is concave in cross section or configuration.

Extending between the second portions 16 is a shaft or pin 25, and the numeral 26 indicates a body member 5 which includes spaced apart arms 27 that have bearings 28 which engage the shaft 25. The body member 26 includes an internally threaded fitting 29 which has a handle 30 connected thereto. The handle 30 is adapted to be manually gripped when the toy 10 is being pushed or pulled along a ground surface or other area.

From the foregoing, it is apparent that there has been provided an amusement device or toy, and when using the device 10, the handle 30 is adapted to be gripped whereby the toy can be readily pushed or pulled along a suitable surface and the wheel 21 is adapted to engage such a surface. When pushing the device 10 for example, the wheel 21 will rotate in a counter clockwise direction, Figure 1, and this will have a tendency to rotate the wheel 23 in a clockwise direction and since the wheel 20 31 which is mounted on the shaft 25 engages the wheel 23 frictionally, it will be seen that the wheel 31 will have a tendency to rotate in a counter clockwise direction or in the same direction as the wheel 21. Thus by properly manipulating the device 10, the user can attempt to maintain the wheel 23 balanced on the device.

If the operator does not use the device with sufficient dexterity or skill, the wheel 23 will fall off. Then, when the device is to be used again, the wheel 23 is arranged as shown in Figure 1 so that the device can be used over 30 and over again. Thus, it will be seen that the purpose of the device is to provide an assembly wherein an effort is made to balance the wheel 23 or maintain the wheel 23 in position between the revolving wheels 31 and 21.

The parts can be made of any suitable material and 35 in different shapes or sizes.

The toy is adapted to be pushed or pulled by means of the handle 30 from a standing position. The primary object of the invention is to provide a toy wherein an attempt is made to balance the wheel 23 in such a manner 40 that the wheel 23 will not fall off.

Minor changes in shape, size and rearrangement of details coming within the field of invention claimed may be resorted to in actual practice, if desired.

I claim:

In an amusement device, a frame including a pair of spaced apart bars, each of said bars including first portions connected together, angularly arranged second portions contiguous to said first portions, spaced parallel third portions contiguous to said second portions, angularly arranged fourth portions adjacent said third portions, and said bars further including spaced parallel fifth portions which are arranged contiguous to said fourth portions, and an axle extending between said fifth portions, a first wheel mounted on said axle, a cross pin extending 50 between said fourth portions, a second wheel for engagement with said first wheel, a shaft extending between said second portions, a third wheel mounted on said shaft for engagement with said second wheel, said second wheel including a circular rim which is concave in cross section for engaging said first and third wheels, a body member including a pair of spaced apart legs having bearings engaging said shaft, said body having an internally threaded fitting extending therefrom at right angles to said shaft, and a handle detachably connected to said fitting.

### References Cited in the file of this patent

#### UNITED STATES PATENTS

|           |          |               |
|-----------|----------|---------------|
| 1,329,045 | Franke   | Jan. 27, 1920 |
| 1,796,811 | Shepherd | Mar. 17, 1931 |