United States Patent [19]

Miller

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[54] **GAME DEVICE**

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[52] **U.S. Cl.** ..... **273/1 R,** 272/62

[51] **Int. Cl.** **A63b 71/02**

[58] **Field of Search** ..... 273/1 R, 1 E, 26 R, 273/26 E; 272/62

[56] **References Cited**

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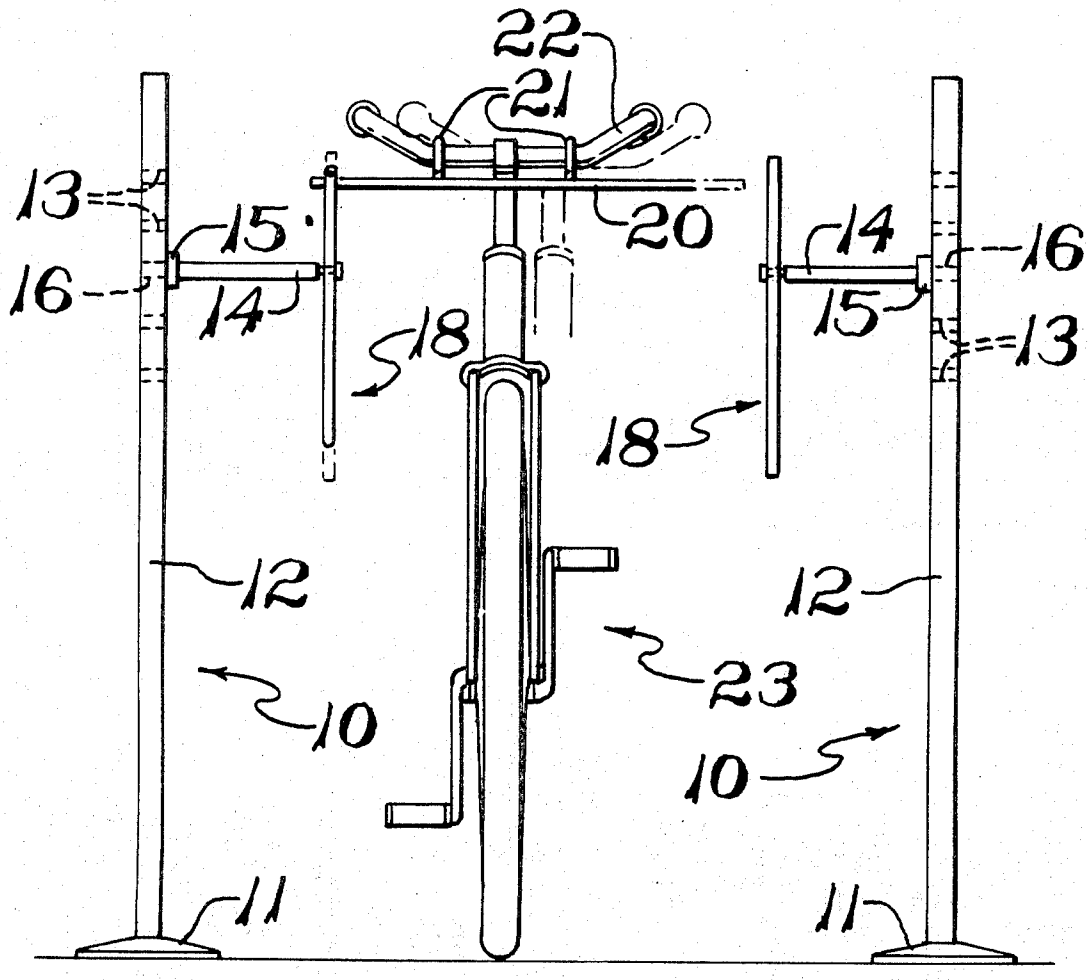
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[57] **ABSTRACT**

A game utilizing a pair of game poles which support horizontally extending bars. The outboard end of each bar journals for rotation a member that is vertically oriented such that a bicycle with a horizontally extending bar clipped to the handlebars is adapted to clear the spacing between the rotatable members. The cyclist attempts to pass between the poles without having the bar engaging the rotatable members. The horizontally extending bars are horizontally adjustable to vary the space between the rotatable members and carry indicia to allow precise adjustment.

4 Claims, 4 Drawing Figures



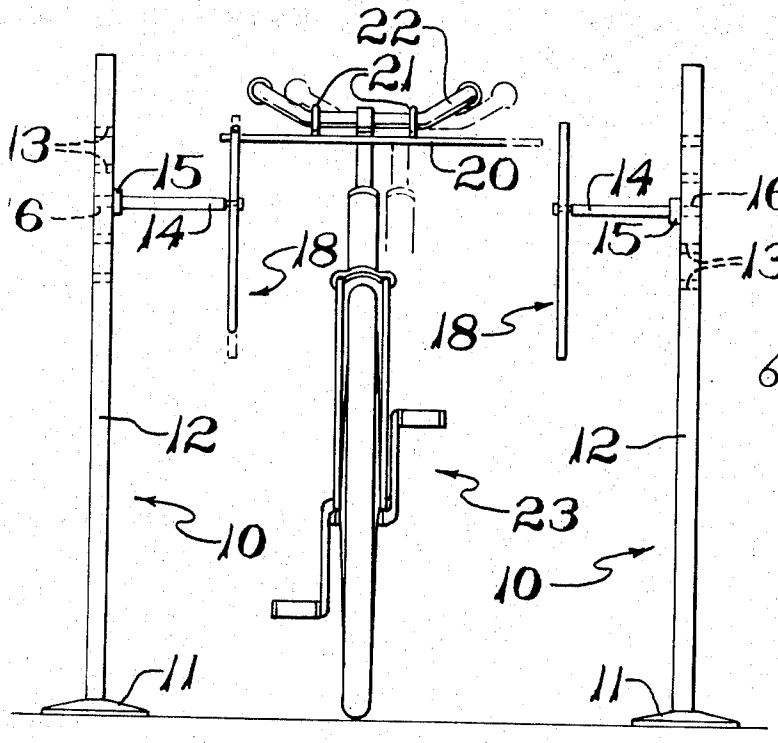


FIG. 1

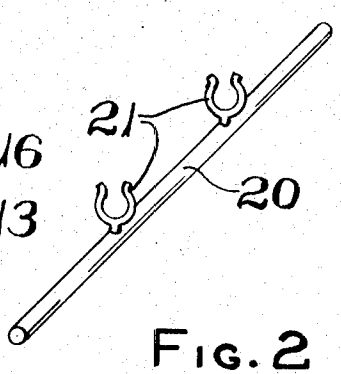


FIG. 2

FIG. 3

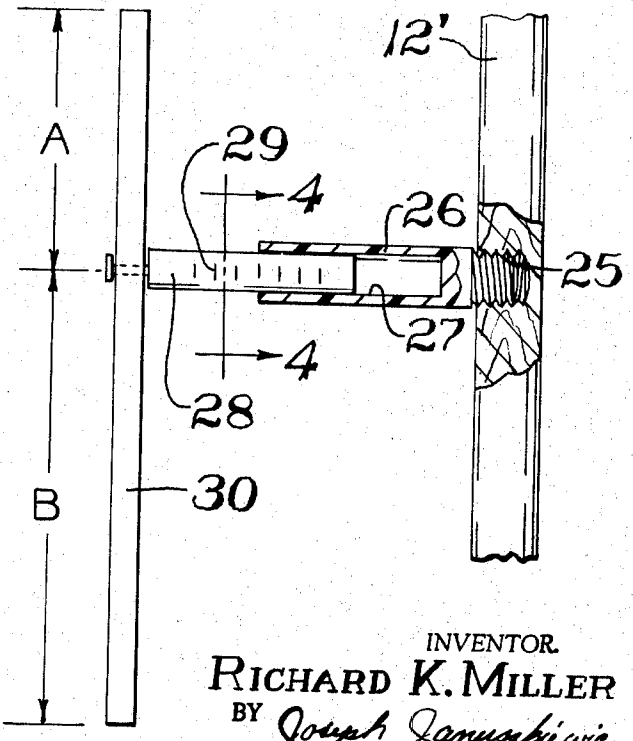
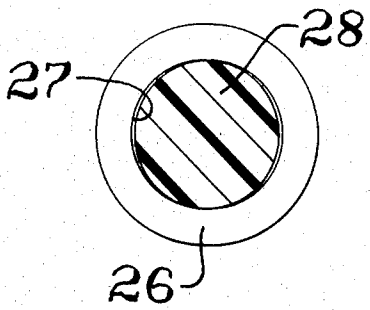


FIG. 4



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GAME DEVICE

BACKGROUND OF THE INVENTION

This invention relates to a game and more particularly to a game that is simple in construction, adapted for testing the bicycle driving skill of children and especially adapted for use as an educational device and an amusement toy, yet in use will enhance the skill as well as coordination of those participating.

The game to which this invention pertains involves the use of a bicycle having conventional structure with any type of handlebars to which is attached a bar which is adapted to clear spaced test poles. The poles have rotatable members therein that upon contact by the bar will rotate and thereby positively indicate to the passing bicycle that it had not cleared the markers or poles. The game is of considerable value from the standpoint of developing skills since the game can be set up easily and quickly and so operated that success can be achieved to that degree to motivate the individual to pursue the exercise and game further. The degree of success can be readily controlled so that individuals of varying degree of skill can be motivated.

SUMMARY OF THE INVENTION

The present invention contemplates the use of one, two or more poles that are suitably mounted on bases, such that the bases can be positioned to provide for a predetermined distance between poles which distance may be adjusted. Each pole has a horizontally extending rod with a rotatable member journaled on the outboard end thereof. The rotatable member has that portion to one side of the journal mounting greater in length than the other portion such that it retains a vertical attitude. A bar is clipped to the handlebars of a bicycle with the setting of the poles such that the distance between the rotatable members is slightly greater than the length of the bar.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a front elevational view of a preferred embodiment of the invention;

FIG. 2 is a perspective view of the bar that attaches to the handlebars of a bicycle;

FIG. 3 is an enlarged view of a modified form of rotatable member showing a portion of the pole broken away;

FIG. 4 is a cross sectional view of the rotatable member shown in FIG. 3 taken along lines 4—4 thereof.

DETAILED DESCRIPTION

Referring to the drawings, wherein like reference characters designate like or corresponding parts throughout the several views, there is shown in FIG. 1 a pair of spaced game poles designated generally as **10**. Each game pole **10** is similar and only one will be described. Game pole **10** comprises a base **11**, which base **11** suitably supports a vertically extending pole **12**. Pole **12** has a plurality of spaced bores **13**. A rod **14** having an annular abutment **15** limits the movement of the inboard end portion **16** into the bore **13**. The outboard end portion of rod **14** journals for rotation a pivotal member **18**.

A bar **20** having a pair of spaced spring clips **21** facilitates the mounting of such bar **20** on the handlebars **22** of a bicycle **23** shown in FIG. **1**. A modification of the game pole is shown in FIG. **3** wherein the pole **12'** has

a plurality of threaded bores **25** (only one shown). Threadedly mounted in the bore **25** is a sleeve member **26**. Sleeve member **26** may be a molded plastic member whose bore **27** is slightly oblong, such that on grasping and squeezing such sleeve, the bore **27** becomes round and permits insertion, linear movement and adjustment of the rod **28**. Rod **28** has indicia **29** scribed thereon to indicate the extent to which rod **28** projects out of sleeve **26**. Rotatably journaled on the outboard end of rod **28** is a pivotal member **30**. The distance from the journal or connection on rod **28** to one end of member **30** is designated section "A" while the distance from such connection to the other end of rod **28** is designated section "B." The length "B" is greater than "A" to assure that such member **30** assumes a vertical attitude. Rod **18** is similarly dimensioned to assure a vertical attitude. Rod **18** may if desired have the sections of the same length but a weight provided on one section to achieve the same result.

In the operation of the game poles, such game poles **10—10** are placed initially a predetermined distance apart, such that the distance between the rotatable members **18** is greater than the length of bar **20**. With bar **20** clipped to the handlebars **22**, the cyclist attempts to ride between the poles **12—12** without bar **20** engaging either member **18—18**. FIG. **1** discloses the left member **18** being engaged by bar **20**, such that member **18** will rotate without displacing the position of pole **10** yet indicating an unsuccessful attempt to traverse the course. FIG. **1** shows in phantom lines a successful attempt to pass between the poles **12—12** where bar **20** does not touch the members **18**. Several pairs of game poles **10** may be placed in a given path to provide a series of test or practice runs with each succeeding pair being closer together than the preceding pair. If desired, the pairs of poles may all be the same distance apart. A variation on the game is to have several single game poles **10** set in a circuitous route whereby the object is to hit each member **18** by bar **20** to cause each member **18** to rotate. In the modification of FIG. **3**, the adjustment of rod **28** in sleeve **26** permits a finer adjustment for the different passes with the bicycle. The variation in the spaced bores **13** permits vertical adjustment of the rotatable members **18—18** to adjust for different height bicycles.

Various additional modifications are contemplated and may be resorted to by those skilled in the art without departing from the described invention, as hereinafter defined by the appended claims, as only preferred embodiments thereof have been disclosed.

Claims:

1. A game device for use with a bicycle comprising at least a pair of base members for positioning a predetermined distance apart, a pole mounted on each base member, two rotatable members a pair of rod means for supporting said rotatable members, said rod means having indicia thereon, connecting means on each pole for connecting one of said rod means to one of said poles and for normally concealing said indicia, said connecting means and said rod means being selectively adjustable with respect to each other in a horizontal direction, to expose certain of said indicia in accordance with said adjustment, one of said rotatable members being mounted on each of said rod means for rotation thereon about a horizontal axis, an elongated bar, and said bar having clip means for securing said bar to the handlebars of a bicycle for selective cooperative en-

gagement of said bar with said rotatable members or selective passage therebetween.

2. A game device for use as set forth in claim 1 wherein said connecting means includes a plurality of vertically spaced bores on said pole to facilitate vertical selective adjustment of said rod means from said base on said pole.

3. A game device for use with a bicycle of the character described comprising a pair of bases, each base having a vertically extending pole, each pole having at least one horizontally extending bore, a pair of sleeves, one of said sleeves mounted in a bore on each of said poles,

a rod member mounted on each sleeve, a member pivotally mounted on one end of each said rod members for rotation about a horizontal axis, and a horizontally extending clip bar for mounting on a bicycle for cooperative operation with said pivotal members.

4. A game device for use with a bicycle as set forth in claim 3 wherein each of said rod members has indicia thereon, and each of said rod members is linearly adjustable relative to its said mounting sleeve to adjust the distance between said pair of pivotal members.

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