Dec. 18, 1928. 1,695,937

F. M. WELCH

TOY GAME

Filed March 17, 1927 2 Sheets-Sheet 1

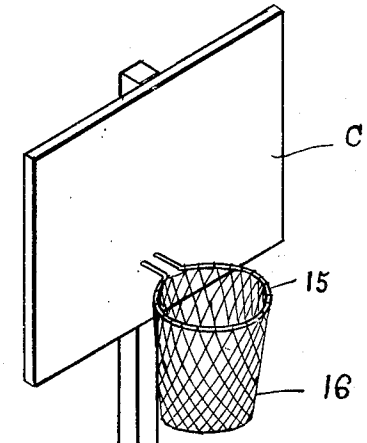


Fig. 1

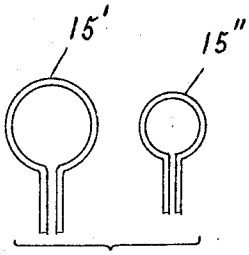


Fig. 3

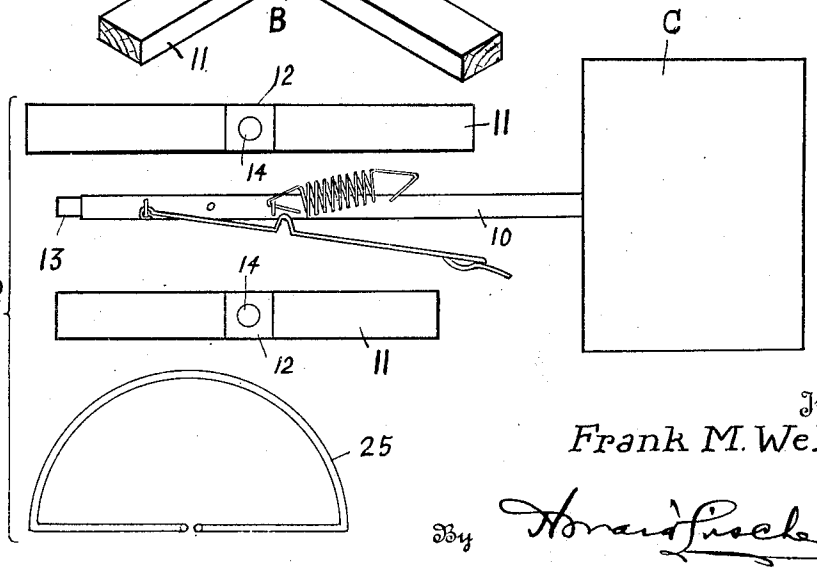


Fig. 2

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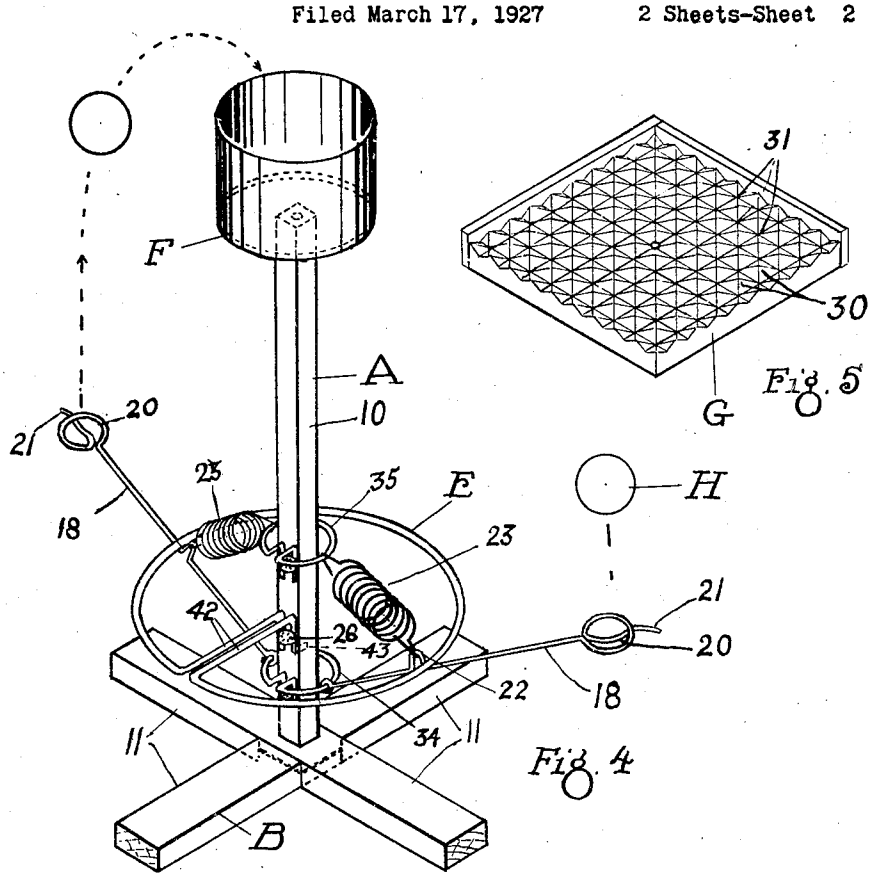


Fig. 4

Fig. 5

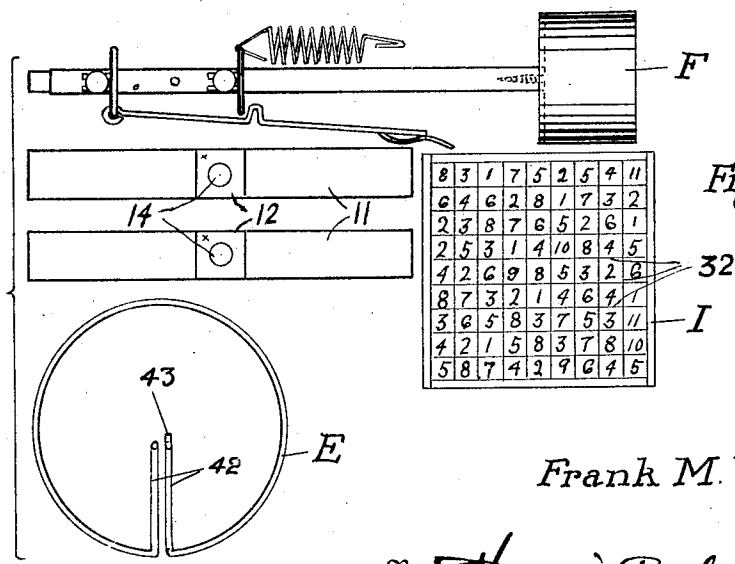


Fig. 6

8	3	1	7	5	2	5	4	11
6	4	6	2	8	1	7	3	2
2	3	8	7	6	5	2	6	1
2	5	3	1	4	10	8	4	5
4	2	6	9	8	5	3	2	6
8	7	3	2	1	4	6	4	1
3	6	5	8	3	7	5	3	11
4	2	1	5	8	3	7	8	10
5	8	7	4	2	9	6	4	5

32

I

Fig. 7

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UNITED STATES PATENT OFFICE.

FRANK M. WELCH, OF ST. PAUL, MINNESOTA.

TOY GAME.

Application filed March 17, 1927. Serial No. 176,028.

My invention relates to toy games having a feature of providing means for playing a toy game of basket ball.

It is also a feature of my invention to provide a toy game which may vary in its operation to permit the playing of different games with the toy mechanism which is adapted to hold and toss in the air a marble ball or spherical article. The tossed article being projected upward and passed through a ring or tossed in the air in a manner so as to drop into engagement with the ring which forms a receiving means in which the article or ball is adapted to rest. When the game is played and the article is tossed up in this manner so that it is placed in the ring, the player has won a point by so placing the ball or marble in the holding ring. The player also wins a point by passing the ball or marble through the ring where a toy game of basket ball is being played. Thus this feature in my invention includes ring receiving means of different sizes for different games.

My game includes a toy operating means having an arcuated or polygonal stop for limiting the operating mechanism either of a segmental portion of a circle or of a complete circle so that the tossing mechanism can be operated about the supporting standard and a receiving receptacle can be placed on the standard so that different games can be played by operating my toy.

It is a feature of my toy to provide a collapsible mechanism which can be stored away in a compact state, taking a small amount of room for shipping or storing, and wherein the parts are separable from each other so that they can be readily taken apart or set up for use.

These features, together with other objects and details of my invention will be more fully and clearly set forth in the specification and claims.

In the drawings forming part of my specification:

Figure 1 is a perspective view of my toy in one form, set up for operation which may be termed the toy basket ball game.

Figure 2 illustrates the parts illustrated in Figure 1, separated from each other to permit the packing of the same in a compact state.

Figure 3 illustrates two sizes of receiving rings used in my toy.

Figure 4 is a perspective view of my game in another form, illustrating the operation of the same.

Figure 5 is a perspective of a receiving portion of my game separated from the supporting standard.

Figure 6 illustrates the parts of the toy illustrated in Figure 4 in collapsed condition for packing and separated from each other.

Figure 7 is a plan view of one of the receiving members for the toy as illustrated in Figure 4.

The invention includes a toy A which may be carried out in the manner in which I shall set forth, one of the forms of the game being shown in Figure 1 which is adapted to simulate the playing of basket ball by throwing a ball up in the air and passing it through a loop on a standard and support.

The drawings illustrate a standard 10 of the toy A which is supported by the base B. The base B is made of two cross members 11 which are notched out at 12 to fit together in the form of a cross to support the standard 10.

The standard 10 is formed with a projecting lug 13 which is adapted to fit through the hole 14 formed in the members 11 when they are positioned together to support the standard 10 in an upright position, as illustrated in Figure 1.

The upper end of the standard 10 is adapted to carry a shield C which represents the wall or shield as is employed in the game of basket ball.

Within the front of the shield C I provide a removable ring 15. This ring 15 simulates the ring that is used in the playing of basket ball through which it is designed that the ball should be passed in scoring a point in the game. This ring can be provided with a net 16 depending from the same if it is desired.

It is desirable to provide the ring 15 removable from the shield C so that different sized rings 15′ and 15″ may be used if it is desired in playing different games. Where the smaller rings are used a ball or marble which is large enough to simply rest upon the top of the ring may be used to play a game, scoring a certain point or points when the player tosses the ball up in the air in a manner so that it will come down and rest on the small ring just the same as it

scores for the player when playing the game in basket ball and the ball is tossed up into the net 16.

My toy A is provided with a tossing mechanism E which includes a lever arm 18 pivotally connected on one end to the eyelet 19 and having a loop 20 on the other end which is adapted to receive a ball, while the extreme free end is bent outwardly to form an operating handle 21 which projects from the loop 20.

Midway of the ends of the arm 18 I provide a recess 22 in the arm into which one end of the operating spring 23 is adapted to connect. The spring 23 is extended in a manner to pull the arm 18 upwardly when it is contracted and the other end of the spring is connected by the eyelet 24 to the standard 10.

By means of an arcuated stop 25 which is removably held by the pin 26 to the standard 10, the upward movement of the arm 18 is retarded, the spring 23 being so positioned in relation to the standard 10 as to normally hold the arm 18 with a slight spring tension against the lower edge of the stop 25.

To operate my toy A a ball, marble or other article is placed within the socket 20 and by engaging the handle 21 the arm 18 is lowered to stretch the spring 23. The arm is then positioned at any suitable point about the arcuated stop 25 and is suddenly released. As the arm 18 is released it will carry the ball in the socket 20 upwardly and when the arm strikes the stop 25 the ball will be tossed on up into the air in a manner so that it will have a tendency to extend in a curve toward the ring 15. If the operator has properly gauged his aim in operating the arm 18, the ball or marble will fall in through the ring 15 and into the net 16. This scores a point for the player.

The pivotal connection of the arm 18 at 19 permits the same to be moved into any desired position about the arcuated member 25 so as to gauge the operation of the arm 18 in a manner to endeavor to cause the article resting in the socket to be tossed up into the air in a manner so that it will strike within the ring 15. In this manner my game is very interesting for children as it provides a means of amusement which is very attractive. I have even found that my game is very desirable for older folks who are interested in basket ball and games of a similar nature.

In Figure 4 I have illustrated another form of my invention and in this construction the base B is adapted to support the standard 10 in a manner to form a support just the same as the support in Figure 1. However, in this form of my toy I provide a receptacle F which is supported on top of the standard 10 and which may be in the form of a cylindrical receptacle as illustrated, or may be in the form of a table or plate G which is provided with a series of pyramidically projecting formations 30, leaving recess points 31 into one of which the ball or marble H will rest after it has been tossed up by the arm 18. In this construction it is readily apparent that the table 30 may take the place of the receptacle F on top of the standard 10. I have also illustrated a table which is provided with a series of cross wire members 32 to form the squares as illustrated in Figure 7 with numbers placed below the squares so that when a marble or ball is tossed up by the arm 18 it will rest in a square below which is a certain number which gives the player that particular score or point gained in the game. The recesses 31 of the plate G may be also provided with numbers in a similar manner, but which I have not shown in the drawings.

In this construction of my toy I provide a ring-like stop shoulder E which is also removably held by the pin 26 to the standard and two of the arms 18 may be provided so that more than one player can operate the toy at one time. Where the ring stop shoulder E is used, as in Figure 4, it is also desirable to provide a ring-like connector 34 for the inner end of the operating arms 18 and a ring-like connector 35 for the inner end of the springs 23. This permits the arms to be moved circularly about the standard 10 to any desired position and the player is therefore permitted to move his operating arm 18 into the most desirable position to make the play that he believes will score the highest point for him.

The receptacle F permits a game to be played to toss the ball H or marble into the same or to see how many of these can be tossed into the receptacle so that the player may by careful operation learn to toss the marble into the receptacle consecutively one after the other, or he may miss the receptacle by not manipulating the operating lever 18 properly.

My toy A provides a very desirable game for children and permits of variations so that it can be played with a great deal of interest. It takes sufficient amount of skill in the operation to gauge the movement of the arm 18 properly to toss the ball into the air so that it will accomplish the results desired and thus provides a very interesting amusement, not only for children but for older folks as well.

A feature of my toy can be that it can be readily assembled or taken apart as illustrated in Figures 2 and 6, permitting it to be packed in a small space or to be set up quickly for operation. I have shown the disassembled parts in a single figure as all

of these parts are adapted to be fitted together in the assembling of the operative toy A.

The stop members E of my tongue may be of any suitable shape either angular, circular, arcuated, or of a golygonal shape, the purpose being to provide a stop for the toy so as to arrest or stop the operating arm 18. It is therefore apparent that it is not necessary that the stop E be circular or arcuated as long as it performs a function of extending to a position to engage the arm 18 to stop it from raising beyond a certain limit.

The arm 18 may be provided with a cushion member 40 formed of any suitable material such as rubber or leather. The cushion 40 prevents the arm 18 from making a cracking noise when the same strikes the stop E. The toy may be provided with or without this cushion.

The stop E is provided with connecting members 42 which, on the circular form of the same, extend inward toward the standard 10 and on the inner end of the arms or members 42, I provide depending portions which are adapted to engage with the pin 26. One of these depending portions is provided with an inwardly extending lug 43 which fits in a hole in the standard 10 to provide a shoulder or holding lug for holding the stop E in a horizontal plane in relation to the standard 10. This holds the stop rigid and firm and prevents slipping in the operation of the toy game.

Where the tables or plates G and I are used in place of the receptacle F, a very interesting game can be played as it is quite a game of chance to determine what score a person will obtain in tossing articles from the socket 20 up to the receiving table. Then these articles may come to rest without bouncing around or they may jump from one recess to the other, changing the result, this depending on just how the arm 18 is operated. A keen interest is readily apparent in the use of my game and I have found children to be very delighted with its operation.

In accordance with the patent statutes I have described the principles of operation of my toy game and while I have illustrated particular formations and arrangement of parts, I desire to have it understood that the same are only suggestive of a means of carrying out the principles of my invention and I wish to protect the same within the scope of the following claims, even though slight variations are made as applied to uses other than those above set forth.

I claim:

1. A toy including, a base, a supporting standard, a throwing arm, means for pivotally supporting said arm in a manner to permit the arm to be moved about said standard, an arcuated stop member, and means for automatically operating said arm to force it against said arcuated stop when it is released on its free end to toss articles in the air to play a game.

2. A toy including, a throwing arm universally fulcrumed at one end, a recess between the ends of said arm for receiving a means of power for operating said arm, a socket formed on the free end of said arm for receiving articles to be thrown by said arm, and an arcuated stop for limiting the movement of said arm when it is released at its free end.

3. A toy including, a throwing arm, a universal pivotal engagement for one end of said arm, a curved stop for limiting the movement of said arm, spring means for operating said arm, and means for receiving an article on the free end of said arm whereby when an article is rested on the free end of said arm and the arm is moved to cause said spring to stretch the releasing end of the arm causes the same to be automatically brought into engagement with said stop, tossing the article on the free end of the arm in the air.

4. A toy including, a base, a standard, a tossing arm, means for pivotally supporting said arm in a manner to move with its pivot point about said standard, a curved stop formed about said standard for engaging said arm, and means for operating said arm to cause it to strike against said stop when the free end of the same is released to toss a ball upwardly from the free end of said arm.

5. A toy adapted to provide a miniature basket ball game including, a base, a standard, a shield on the upper end of said standard, a ring and net receiving means associated with said shield, and means mounted upon said standard for tossing a ball up to said ring and net.

6. A toy adapted to play a miniature basket ball game including, a base, a standard, a ring on said standard for receiving a ball, a tossing arm, and an arcuated stop mounted upon said standard for limiting the movement of said arm.

7. A toy including, a standard, plate means adapted to be supported on said standard, a series of recesses formed in said plate, a series of numbers associated with said recesses, and means for tossing articles up onto said plate from a point any place around the same.

8. A toy including, a base, a standard, means upon said standard for receiving an article, and means for tossing the article up to said receiving means on said standard, said tossing means including a universally pivoted arm and a curved stop for limiting the movement of said arm.

9. A toy including, a standard, a separable base for supporting said standard, a tossing arm pivotally connected to said standard,

and a stop shoulder for said tossing arms removably supported to said standard above said tossing arm.

10. A toy including, a standard, a base for supporting said standard, a throwing arm pivotally supported to said standard by an arcuated member, a polygonal stop shoulder supported to said standard above said throwing arm, and spring means for holding said throwing arm normally against said shoulder, said base and said arcuated shoulder being separably connected to said standard to permit said toy to be collapsed.

11. A toy including, a supporting standard, a throwing arm pivotally secured to said supporting standard, spring means for operating said arm, shoulder means for limiting the movement of said arm against the action of said spring, and a receiver on said standard having a series of numerals for indicating scores positioned below a series of openings formed by wire members extending transversely of each other to provide a score indicating receiver which is adapted to receive an article thrown upward by said throwing arm to said receiver.

12. The combination of a throwing arm fulcrumed at one end, power means similarly fulcrumed and attached to said throwing arm, means of arresting said throwing arm on its upward motion, a socket formed on said throwing arm adapted to receive an article to be thrown by said arm, and means for receiving the article thrown by said arm to provide a toy game.

FRANK M. WELCH.