Sept. 18, 1928. 1,685,076

M. MILEWSKI

GAME

Original Filed April 19, 1920 2 Sheets-Sheet 1

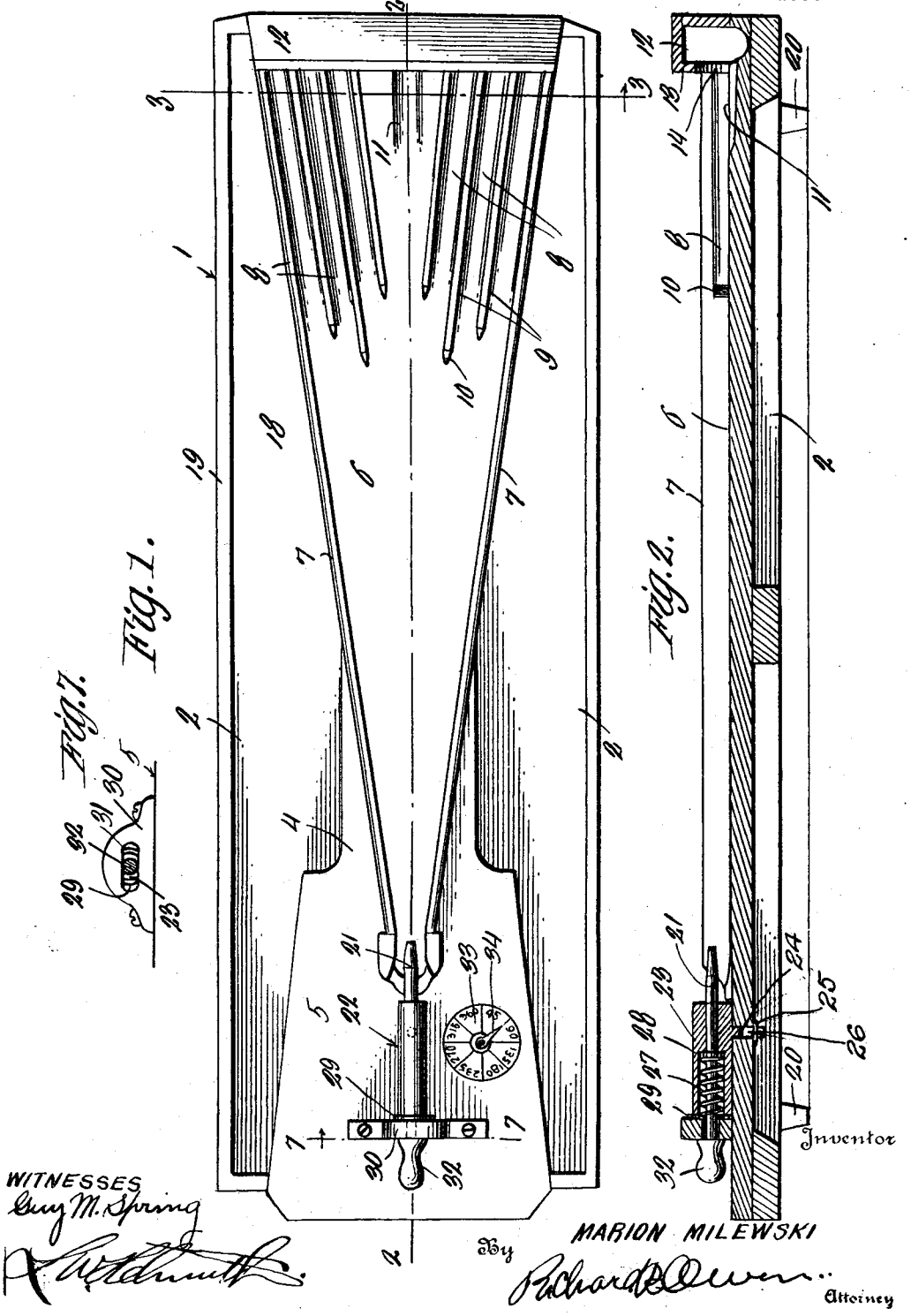


Fig. 1.

Fig. 2.

Fig. 7.

WITNESSES
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Fig. 3.

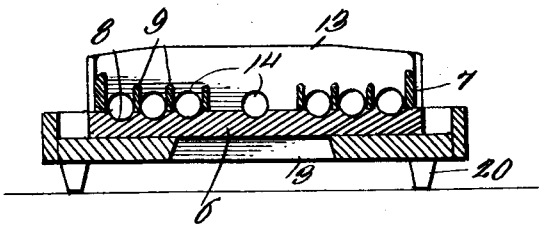


Fig. 4.

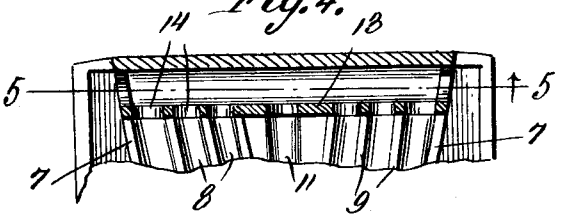


Fig. 5.

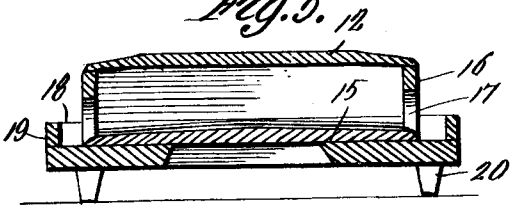


Fig. 6.



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UNITED STATES PATENT OFFICE.

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GAME.

Application filed April 19, 1920, Serial No. 375,001. Renewed February 13, 1928.

This invention relates to new and useful improvements in game apparatus, and more particularly to that type wherein a shooter is employed to project balls into passageways which are assigned various values.

An important object of the invention is to provide a game board having a race-way which terminates in a plurality of rearwardly diverging passages, the forward ends of the walls separating the passages being arranged in staggered relation to make it more difficult for the player to make his game piece enter the passage ways which are assigned the higher values.

Another object of the invention is to provide a device of the above nature having associated therewith an adjustable shooter whereby the game pieces may be accurately projected into the passage ways desired by the player.

A still further object of the invention is to provide a game apparatus including a race-way, having a game piece receiving chamber at one end thereof which is so constructed as to cause the passage of the game pieces into return passages whereby the game pieces may be automatically returned to the player.

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

In the accompanying drawings forming a part of this application and wherein like numerals are employed to designate like parts throughout the several views,

Figure 1 is a top plan of the invention.

Figure 2 is a longitudinal section through the same taken on the line 2—2 of Figure 1.

Figure 3 is a transverse section through the device on line 3—3 of Figure 1.

Figure 4 is a fragmentary top plan of the receiving end of the game board, a section being taken through the receiving chamber thereof.

Figure 5 is a transverse section taken on the line 5—5 of Figure 4.

Figure 6 is an enlarged section of a portion of one of the partitions, and

Figure 7 is an end view of the shooter end of the game apparatus.

Referring to the drawings wherein is illustrated the preferred embodiment of my invention, the numeral 1 designates the base of the apparatus in its entirety, and which consists of a pair of spaced, longitudinally extending bars 2 maintained in spaced relation by spacing blocks 3 disposed therebetween. A longitudinally extending base board 4 is secured upon the spaced members 2 and is equipped with an enlarged inner end 5 from which the sides of the base board diverge rearwardly to the opposite end of the base to provide a diverging race way 6. Side walls 7 are provided for the race-way 6 to maintain balls thereon whereby these balls will be carried to the far or rear end of the race-way which is equipped with a plurality of diverging grooves or passages 8. These passages are separated by partitions 9 which, as clearly shown in Figure 6 have their forward ends reduced to receive rubber tips 10.

As most clearly shown in Figure 1, the free ends of the partitions 9 are arranged in staggered relationship in order to make it more difficult for the player to project his game pieces into a central groove or passage 11. It will also be noted that the intermediate partitions on each side of the race-ways project nearer the player as most of the balls projected into the race-way 6 pass adjacent these ends and should they be struck, the balls will bound with uncertainty to one side or the other of these partitions.

A receiving chamber 12 is positioned at the termination of the passages 8 to receive balls therefrom and the front wall 13 of the chamber is equipped with a plurality of openings 14 which align with the passages 8 to receive balls entering the same. The bottom 15 of this chamber is inclined outwardly and downwardly on opposite sides of the center to direct balls entering the same, toward the ends 16 which are equipped with outlet openings 17. After the balls pass out of the receiving chamber, they enter the return run-ways 18 disposed upon opposite sides of the race-way and the balls are prevented from rolling off of the base by the confining walls 19 above the edges of the base member 2. A pair of legs 20 are secured to each end of the base to support the same and the legs adjacent the rear end of the base are higher than the other pair so that the base is slightly inclined toward the player to cause balls from the receiving chamber to enter and roll down the return run-ways 18 toward the player.

The plunger 21 of a shooter 22 extends into the restricted end of the race-way 6 and operates within a casing 23 which is equipped with a depending extension 24 to be received through the portion 5 of the base board for pivotally mounting the casing 23 thereon.

A washer 25 is positioned upon the projection 24 to bear against the under face of the portion 5 of the base board and a pin 26 is passed through the projection 24 to maintain the washer in position. A spring 27 is mounted upon the portion of the plunger which is disposed within the casing 23 and one end of the spring abuts with an enlargement 28 formed upon the plunger and the opposite end of the spring abuts with the washer 29. This washer abuts with a back board 30 which is equipped with a horizontal slot 31 which receives and guides one end of the plunger 21. The usual knob 32 is carried by the plunger and one end abuts with the back board when the plunger is in its projected position.

As many may play the game at one time as desired and a score tabulating device indicated by the numeral 33 is provided to assist the player in determining just how many points he has made. The device consists of a circle inscribed upon the portion 5 of the base board which circle is divided into eight parts, each part representing 45 points or 45 degrees. A rotatable pointer is pivoted to the portion 5 of the base board at the center of the circle so that a pointer may be swung around to point to any one of the subdivisions of the circle. I contemplate playing the game by having each subdivision of the score keeping circle register 45° and it is the object of the player to score the entire 360° prior to the contesting player. One player at a time takes a ball or marble and places it in the restricted portion of the race-way 6 and cocks the plunger to tension the spring, and releases the plunger in the usual manner so that it strikes the marble and projects it toward the diverging passages into one of which it will travel. The center passage 11 represents 90° or twice as many as the remaining passage ways and it is therefore the object of the player to get as many balls into this center passage as possible. Of course, the players may arrange the shooter at various angles so as to strike the marbles at a different angle in an attempt to have the marble enter a chosen passage. The adjustable shooter of course adds interest to the game, for they are not restricted to shooting the marble straight down the raceway.

After the marbles pass through the openings in the receiving chamber 12, they roll down into the inclined bottom and drop into the return run-ways 18 and are thereby caused to return to the player. By providing the forward ends of the partitions 9 with rubber tips, it makes the game more exciting inasmuch as at times a player will direct his marble toward the center passage and it will strike one of the rubber tips and bound therefrom with uncertainty as to its course.

The foregoing description and drawing has reference to the preferred or approved embodiment of my invention. It is to be understood however, that I may make such changes in construction and arrangement of parts, materials, dimensions, etc. as may prove expedient and fall within the scope of the appended claims.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

1. A game apparatus comprising a race way having diverging upstanding side walls, a missile projecting device at the restricted ends of the walls, a plurality of upstanding spaced partitions arranged across the race way and extending longitudinally thereof, said partitions being arranged on opposite sides of the longitudinal center of the race way, the partitions on each side of the center being arranged parallel to its nearest side wall of the race way.

2. A game apparatus comprising a raceway having diverging upstanding side walls, a missile projecting device at the restricted ends of the walls, a plurality of passages arranged across the raceway and extending longitudinally thereof, said passages being arranged on opposite sides of the longitudinal center of the raceway, and the passages on each side of the center of the raceway being arranged parallel to its nearest side wall of the raceway.

3. A game apparatus comprising a race way having diverging upstanding side walls, said walls being arranged as an isosceles triangle, the walls at the converging end being separated by an opening, a missile projecting device mounted in the opening between the converging ends of the side walls, a plurality of spaced apart partitions arranged across the race way and extending longitudinally and parallel to the side walls, said partitions being ararnged on opposite sides of the longitudinal center of the race way.

4. A game apparatus comprising a race way having diverging upstanding side walls, said walls being arranged as an isosceles triangle, the walls at the converging end being separated by an opening, a missile projecting device mounted in the opening between the converging ends of the side walls, a plurality of spaced apart partitions arranged across the race way and extending longitudinally and parallel to the side walls, the partitions forming parallel channels, said channels having circular surfaces to guide the missile in a direct path, said partitions being arranged on opposite sides of the longitudinal center of the race way.

5. A game apparatus comprising a race way having diverging upstanding side walls, said walls being arranged as an isosceles triangle, the walls at the converging end being separated by an opening, a missile projecting device mounted in the opening between the converging ends of the side walls, a plurality

of spaced apart partitions arranged across the race way and extending longitudinally and parallel to the side walls, the partitions forming parallel channels, said channels having circular surfaces to guide the missile in a direct path, the longitudinal axis of said channels formed by the spaced apart partitions passing thru the axis of the opening formed between the converging ends of the upstanding side walls, said partitions being arranged on opposite sides of the longitudinal center of the race way.

6. A game apparatus comprising a race way having diverging upstanding side walls, a missile projecting device at the restricted ends of the side walls, a plurality of passages arranged across the race way and extending longitudinally thereon, a receiving chamber enclosing the diverging ends of the side walls, said chamber having openings entering into and aligned with the passages.

7. A game apparatus comprising a race way having diverging upstanding side walls, a missile projecting device at the restricted ends of the side walls, a plurality of passages arranged across the race way and extending longitudinally thereon, a receiving chamber enclosing the diverging ends of the side walls, said chamber having openings entering into and aligned with the passages, the receiving chamber being open at both ends, and return runways exterior of the upstanding side walls being adapted to receive the missile from the open ends of the receiving chamber and forward the same to the opposite end of the race way.

8. In a game apparatus, a board, a triangular race way on said board, a missle projecting mechanism pivoted between the converging ends of the sides of the race way, and a structure forming a transverse passage which communicates with the race way and has openings therein to permit missiles to be returned exterior of the race way after being projected by the missile mechanism.

9. In a game apparatus, a missile projecting mechanism, a triangular race-way having a missile-projecting mechanism at the convergent end, said race way having separated passages and a structure forming an additional passage which courses transversely to the first-named passages, the first-named passages communicating with the last-named passage through openings in the passage structure.

In testimony whereof I affix my signature.

MARION MILEWSKI.