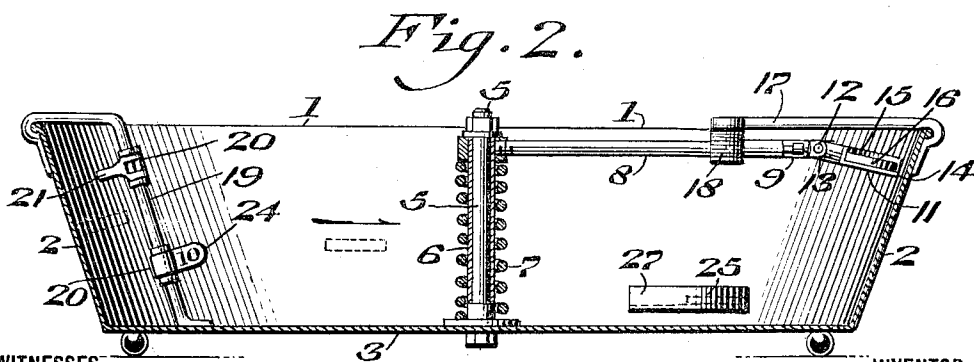
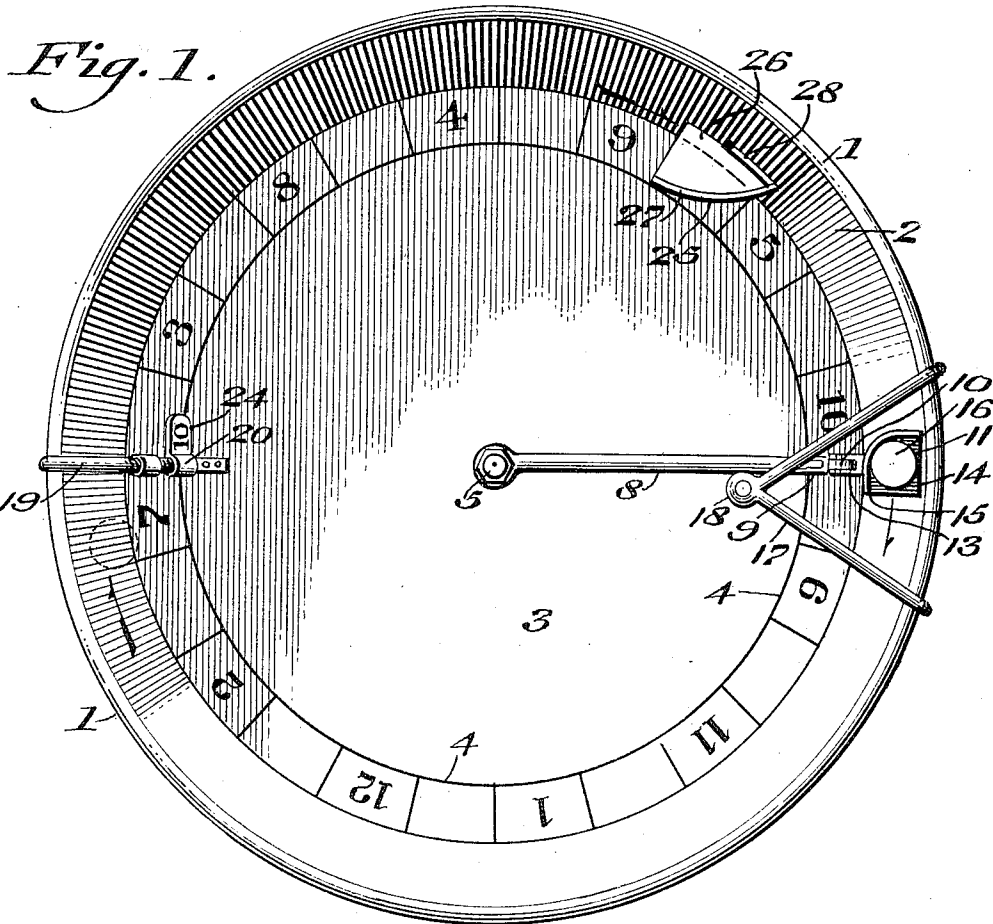


W. W. WOOSTER.
 GAME APPARATUS.
 APPLICATION FILED DEC. 27, 1912.

1,060,392.

Patented Apr. 29, 1913.

2 SHEETS—SHEET 1.



WITNESSES

P. F. Nagle.
 L. Douville.

INVENTOR

BY

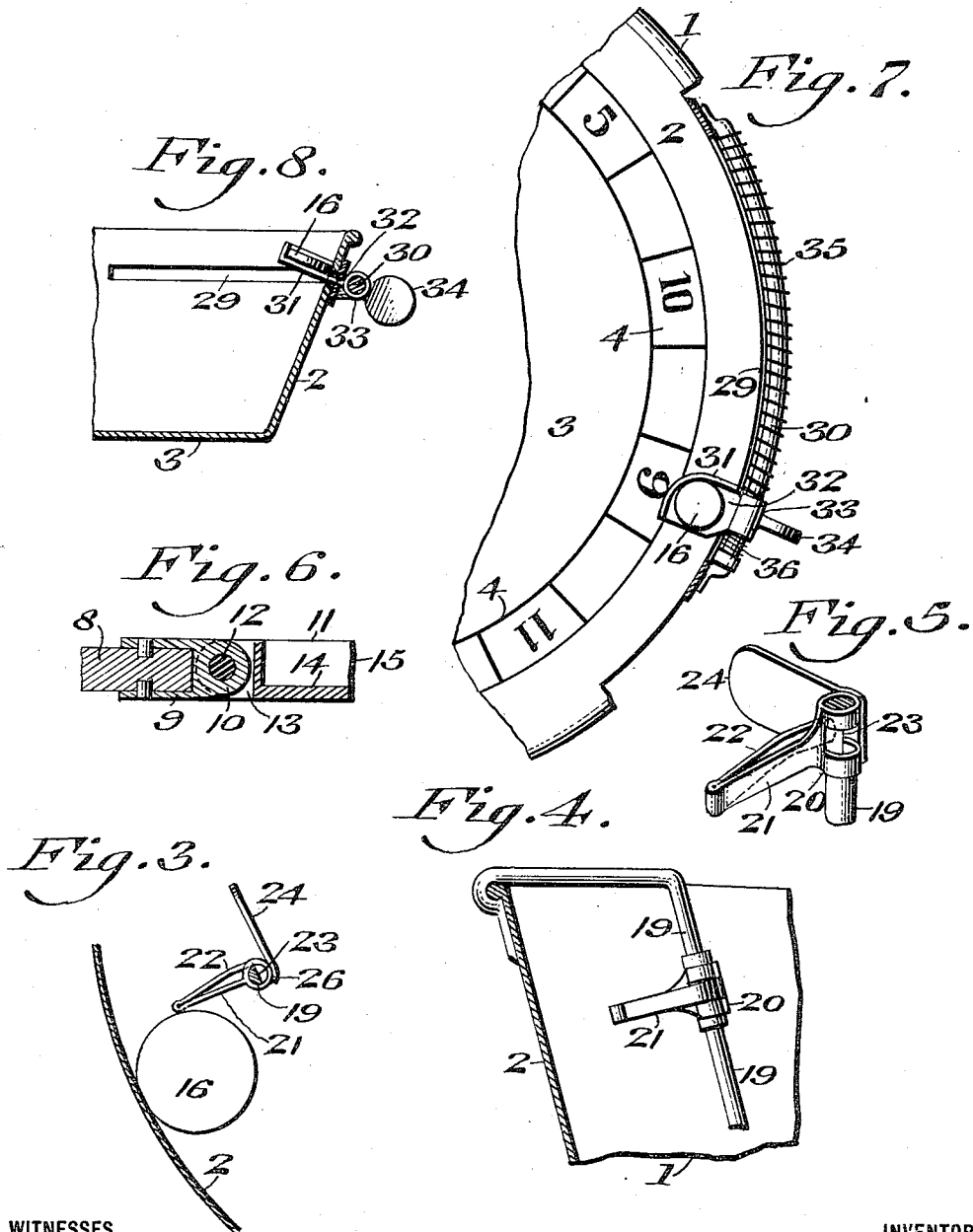
Warren W. Wooster,
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 ATTORNEYS

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WITNESSES

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UNITED STATES PATENT OFFICE.

WARREN W. WOOSTER, OF BERLIN, NEW JERSEY.

GAME APPARATUS.

1,060,392.

Specification of Letters Patent.

Patented Apr. 29, 1913.

Application filed December 27, 1912. Serial No. 738,914.

To all whom it may concern:

Be it known that I, WARREN W. WOOSTER, a citizen of the United States, residing at Berlin, in the county of Camden, State of New Jersey, have invented a new and useful Game Apparatus, of which the following is a specification.

My invention consists of an amusement device or game in which revolving motion is imparted to a missile confined within a bowl or casing of circular outline to cause said object to spin around in a circular path to strike objects in its path or land on certain marked divisions in the same.

It further consists of spring-actuated means for imparting revolving motion to the missile.

It further consists of improved means for setting a signal when a target in the path of the missile is struck.

It further consists of other novel features of construction all as will be hereinafter fully set forth.

The annexed drawings and the following description set forth in detail one mechanical form embodying the invention, such detail construction being but one of various mechanical forms in which the principle of the invention may be used.

In said annexed drawings—Figure 1 represents a top plan view of my improved game apparatus. Fig. 2 represents a diametrical section of the same. Fig. 3 represents a detail plan view of the flag-stop. Fig. 4 represents a sectional detail view of said stop. Fig. 5 represents a perspective view of said stop. Fig. 6 represents a sectional detail view of the swiveled connection of the scoop to the catapult arm. Fig. 7 represents a partial plan view and partial horizontal section of another form of missile-throwing or catapultic device. Fig. 8 represents a sectional detail view of such device.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, the reference numeral 1 indicates a bowl or casing of circular outline, open at the top, and having an upwardly and outwardly flaring rim, 2, and a flat bottom, 3. The bottom has an annular series of suitably indicated spaces, 4, marked upon it,—the indications being numbers, letters, or whatever suitable characteristics depending upon the nature of the game to be played. A post, 5, is provided at the center of the bowl, and a sleeve, 6,

fits to rotate upon such post and has a coiled spring, 7, wrapped around it, having one end secured to such sleeve and the other end rigidly secured to the post or the bottom of the pan. An arm, 8, is secured to the upper end of the sleeve and has a thimble, 9, swiveled upon its outer end, the end of which thimble is formed with a tongue, 10, to which a scoop, 11, is pivotally connected by a pin, 12, passing through ears, 13, upon the scoop and through such tongue. The scoop is illustrated as formed with a flat bottom, 14, and a curved flange, 15, for the purpose of receiving a circular disk, 16, which, in the present instance, constitutes the missile, but the missile may be made spherical or of any other form which will admit of it traveling with rotary motion against the rim and bottom of the bowl, and the scoop will naturally be shaped accordingly to form a support for exerting the ballistic effect upon the missile. A frame, 17, is secured to the rim of the bowl, and has a stop, 18, preferably in the form of a sleeve of rubber or other yielding material, projecting into the path of the ballistic arm, so as to stop the same when it is thrown around by the force of the spring and to thus permit the missile to continue its revolving motion around in the bowl. At a predetermined point in the bowl and at a distance from the flaring rim of the same in excess of the diameter of the missile, is located an oblique rod, 19, inclined parallel with the rim, and a number of sleeves 20, supported to turn upon it. Each of said sleeves has an arm, 21, projecting from it and a spring, 22, extends from the end of said arm, back to the sleeve, where its free end bears against a flat face, 23, upon the rod and within the sleeve. A flag or target, 24, projects from the sleeve at a right angle to said arm and is marked with a number or other characteristic mark according to the character of the game played with the apparatus. The arms may be turned to project into the path of the missile, as the latter spins around upon the inner face of the rim, and when the missile strikes an arm, it will throw the arm and project the target or flag, the spring bearing against the flat face of the rod and thus holding the arm and flag in position. At a predetermined point upon the inner face of the rim of the bowl is secured a deflector, 25, having a bottom, 26, and a curved side-flange, 27, which deflector has its open

end facing in the direction from which the missile travels. A slot, 28, is formed in the rim at the bottom of the deflector so that a missile entering the open end of the same will be deflected by the curved side-flange and thrown out through the slot.

In Figs. 7 and 8 another form of missile-throwing device is illustrated. In said device, the rim of the bowl is formed with a circumferential slot, 29, extending for a portion of the circumference of the bowl, and an arcuate guide-rod, 30, is secured to the outside of the rim and parallel with the slot. A scoop, 31, of a shape adapted to that of the missile, has its shank, 32, fitted to slide in the slot and has an arcuate guide-sleeve, 33, sliding upon the guide-rod, and a handle or finger-piece, 34, for manipulating it. A spring, 35 is coiled around the guide-rod and bears against the sleeve to project the same upon the guide-rod when compressed and released, and a buffer-spring, 36, is coiled around the guide-rod at the opposite end of the same to cushion the throw of the sleeve and scoop.

The several hazards, such as the arms and flags and the deflector in the path of the traveling missile may have different values or penalties indicated upon them, according to the character of the game played with the apparatus, and the spaces of the annular series upon the bottom of the bowl may have different values, indicated by marks.

In practice, the ballistic scoop is adjusted by the player at whatever angle is judged to project the missile to strike or avoid the hazards, the missile is placed in the scoop, and the latter is retracted against the force of the spring. When now the scoop is released, the spring will impart revolving motion to the same, and, when the scoop strikes its stop, the momentum of the missile will carry it around the inside of the rim of the bowl. If the path in which the missile travels coincides with one or more of the arms of the flag-devices, the arm or arms will be deflected and the flag or flags displayed, and should the missile enter the deflector, it will be deflected outward through the slot in the bowl. When the missile has spent its momentum, it will have come to the bottom of the bowl and a gain or penalty obtained by the player according to the marked space the missile rests upon.

The missile is disclosed in the drawings as a disk, but a wheeled figure or miniature vehicle may be employed, the object of the apparatus being to spin a rolling object around the inner face of the bowl by the ballistic force of the scoop, causing the missile to cling to the rim by centrifugal force.

Other modes of applying the principle of my invention may be employed for the mode herein explained. Change may therefore be made as regards the mechanism thus dis-

closed provided the principles of construction set forth respectively in the following claims are employed.

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

1. A game device comprising a bowl having a flaring rim, a ballistic device concentrically movable within said rim and having a scoop for a missile, hazards in said bowl, and a rotatable missile adapted to be projected in a circular path from said scoop to revolve within the rim of the bowl to engage said hazards.

2. A game device comprising a bowl having a flaring rim, a ballistic device concentrically movable within said rim and having a scoop for a missile, a rotatable missile adapted to be projected from said scoop to travel in a circular direction within the rim of the bowl, and an arm pivotally supported within the bowl to project toward the rim to be engaged and tilted by the missile, and provided with an indicating flag.

3. A game device comprising a bowl having a flaring rim, a ballistic device concentrically movable within said rim and having a scoop for a missile, a rotatable missile adapted to be projected from said scoop to travel in a circular direction within the rim of the bowl, and a deflector secured to the inner face of the rim and having a bottom and a curved flange and having its flaring open end facing the direction in which the missile travels and formed with a slot through the rim at its inner end.

4. A game device comprising a bowl having a flaring rim, a central post in said bowl, an arm pivoted upon said post and having a scoop rotatably and transversely adjustable to it upon its end, a spring connected to impart revolving motion to said arm, a stop supported in the path of said arm, a rotatable missile adapted to be projected from the scoop to travel in a circular direction upon the inner side of the bowl, and hazards arranged within the bowl in the path of said missile.

5. A game device comprising a bowl having a flaring rim, a central post in said bowl, an arm pivoted upon said post and having a scoop rotatably and transversely adjustable to it upon its end, a spring connected to impart revolving motion to said arm, a stop supported in the path of said arm, a rotatable missile adapted to be projected from the scoop to travel in a circular direction upon the inner side of the bowl, and arms pivotally supported within the bowl to project toward its rim to be engaged and tilted by the missile and provided with an indicating flag.

6. In a device of the character stated, a rod formed with a flat face, a sleeve rotatable upon said rod, an arm projecting from

said sleeve and having a spring at its outer end extending inward to bear against said flat face, and an indicating flag projecting from said sleeve.

5 7. A game device comprising a bowl having a flaring rim, a ballistic device concentrically movable within said rim, a support for a missile carried upon said device and situated adjacent the upper portion of said rim, and means for arresting said ballistic
10 device whereby a missile will be projected from said support to travel around and down the inner wall of said rim.

15 8. A game device comprising a bowl having a flaring rim, a ballistic device movable within said rim, a missile support rotatably and transversely adjustable upon said device and situated adjacent the upper portion of said rim, and means for arresting said
20 ballistic device whereby a missile will be projected from said support to travel around and down the inner wall of said rim.

25 9. A game device comprising a bowl having a flaring rim, a ballistic device concentrically movable within said rim, a support

for a missile carried upon said device and situated adjacent the upper portion of said rim, means for arresting said ballistic device whereby a missile will be projected from said support to travel around and down the inner wall of said rim, and hazards in said bowl adapted to be struck by the missile.

10. A game device comprising a bowl having a flaring rim, the latter being provided with an opening at a suitable point therein, a ballistic device concentrically movable within said rim, a support for a missile carried upon said device and situated adjacent the upper portion of said rim, means for arresting said ballistic device whereby a missile will be projected from said support to travel around and down the inner wall of said rim, and a deflector secured to the inner face of the rim adjacent said opening and facing the direction in which the missile travels.

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Witnesses:

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F. A. NEWTON.