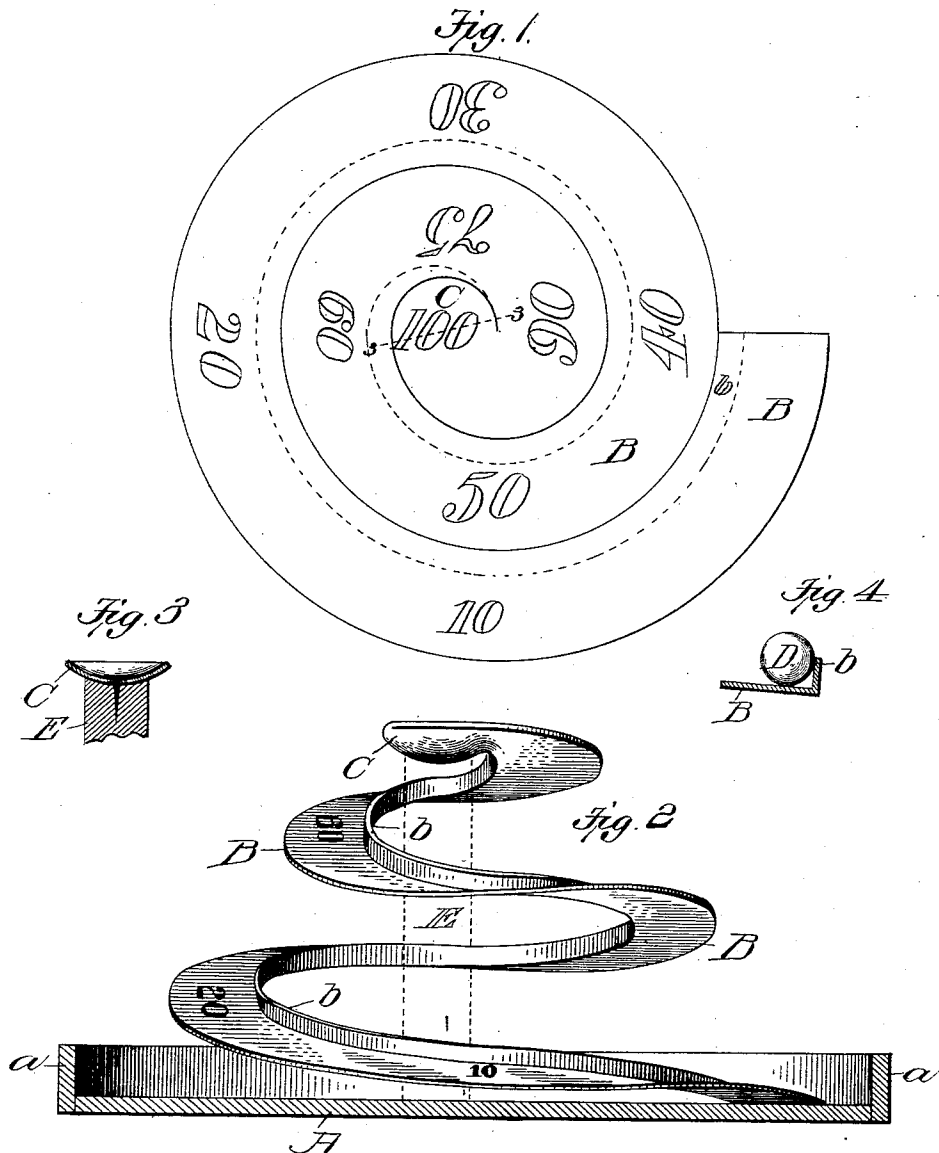


(No Model.)

E. A. FARISH.
GAME APPARATUS.

No. 541,155.

Patented June 18, 1895.



Witnesses
F. R. Cornwall
Hugh K. Wagner.

Inventor
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UNITED STATES PATENT OFFICE.

EDWARD A. FARISH, OF ST. LOUIS, MISSOURI.

GAME APPARATUS.

SPECIFICATION forming part of Letters Patent No. 511,155, dated June 18, 1895.

Application filed October 16, 1894. Serial No. 526,056. (No model.)

To all whom it may concern:

Be it known that I, EDWARD A. FARISH, a citizen of the United States, residing at the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Game Apparatus, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, wherein—

Figure 1 is a plan view of a blank from which a portion of my improved apparatus is constructed. Fig. 2 is a side elevational view of the apparatus. Fig. 3 is a detail sectional view on line 3 3, Fig. 1; and Fig. 4 is a cross-sectional view through the spiral way, showing the ball in position.

This invention relates to a new and useful improvement in game apparatus, and consists, generally stated, in arranging a spiral way upon a suitable base, which way is preferably numbered at certain points. Another feature resides in the peculiar construction of the way, and the method of making the same.

The object to be attained, in playing the game, is to roll a spherical body up the inclined way until it reaches the top, without touching said body. Should the spherical body or ball roll off the side, or down the incline, the operating player is entitled only to such credit as indicated by the highest number reached by the ball.

The game may be played for any number of points decided upon, and any number of players may indulge in the amusement.

In the drawings, A indicates a suitable base, which preferably has an edge flange *a* to prevent the ball from falling during the attempts of the operator to start it up the incline.

B indicates the incline in the form of a spiral, the inner edge of which, as at *b* is formed with a wall against which the ball rests, to hold it on the way, during its travel.

The upper terminus of the way is preferably formed concaved, as at C, to afford a receptacle for the ball, should it be manipulated up to that point.

D indicates the spherical body or ball.

The way B, is preferably formed from a single blank, such as shown in Fig. 1, which is stamped out of sheet metal, or other suitable material, which metal is bent on the dotted line, and formed with the upturned flange, as shown in Fig. 4. The inner terminal C of the way, is then formed concavo-convex by pressing, hammering, or in any other suitable manner. When the way is thus formed, when it is subjected to the torsional strain necessary to elevate the "home" terminal C, the tendency of the way is to buckle, or in other words, the upturned flange on the inner edge resists the strain, and consequently the way is inclined slightly, or is ∇ -shaped, as shown in Fig. 4.

In order to retain the way in its inclined position, I introduce under the central terminal, or "home" C, a central supporting post E, which is secured to the base in any suitable manner, and to the top of the spiral, preferably by brads or tacks.

In packing for purposes of shipping, &c., the central post E may be removed and the spiral collapsed, when it will occupy but little space. The increment of the numbers is from the bottom to the top, or outer to inner end, but it is obvious, that if desired, this order may be reversed, and the game be played by starting the ball from the top and trying to roll it to the bottom without mishap. This method of playing the game is, however, much harder and more tedious than trying to roll the ball toward the top, for should the ball get a slight start, it will roll off the side, due to its inertia and centrifugal force.

I am aware that there are many different ways in which the spiral way may be made, other than the one shown and described, and I do not desire to limit myself to the exact construction shown and described.

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

In a game apparatus, the combination with a spiral way which is formed of a single blank, the inner edge of which is bent up, forming a flange, which, when the way is extended, buckles slightly, causing the path to incline slightly inwardly and downwardly toward the

inner flange, said way being also formed concavo-convex at its upper terminus, a suitable base, a support which is arranged within the way, between the base and concavo-convex
5 end of the way, and a spherical body; substantially as described.

In testimony whereof I hereunto affix my

signature, in presence of two witnesses, this
13th day of October, 1894.

EDWARD A. FARISH.

Witnesses:

F. R. CORNWALL,
HUGH K. WAGNER.