

No. 894,543.

PATENTED JULY 28, 1908.

J. G. SEILER.
GAME APPARATUS.
APPLICATION FILED JUNE 20, 1907.

3 SHEETS—SHEET 1.

Fig. 1

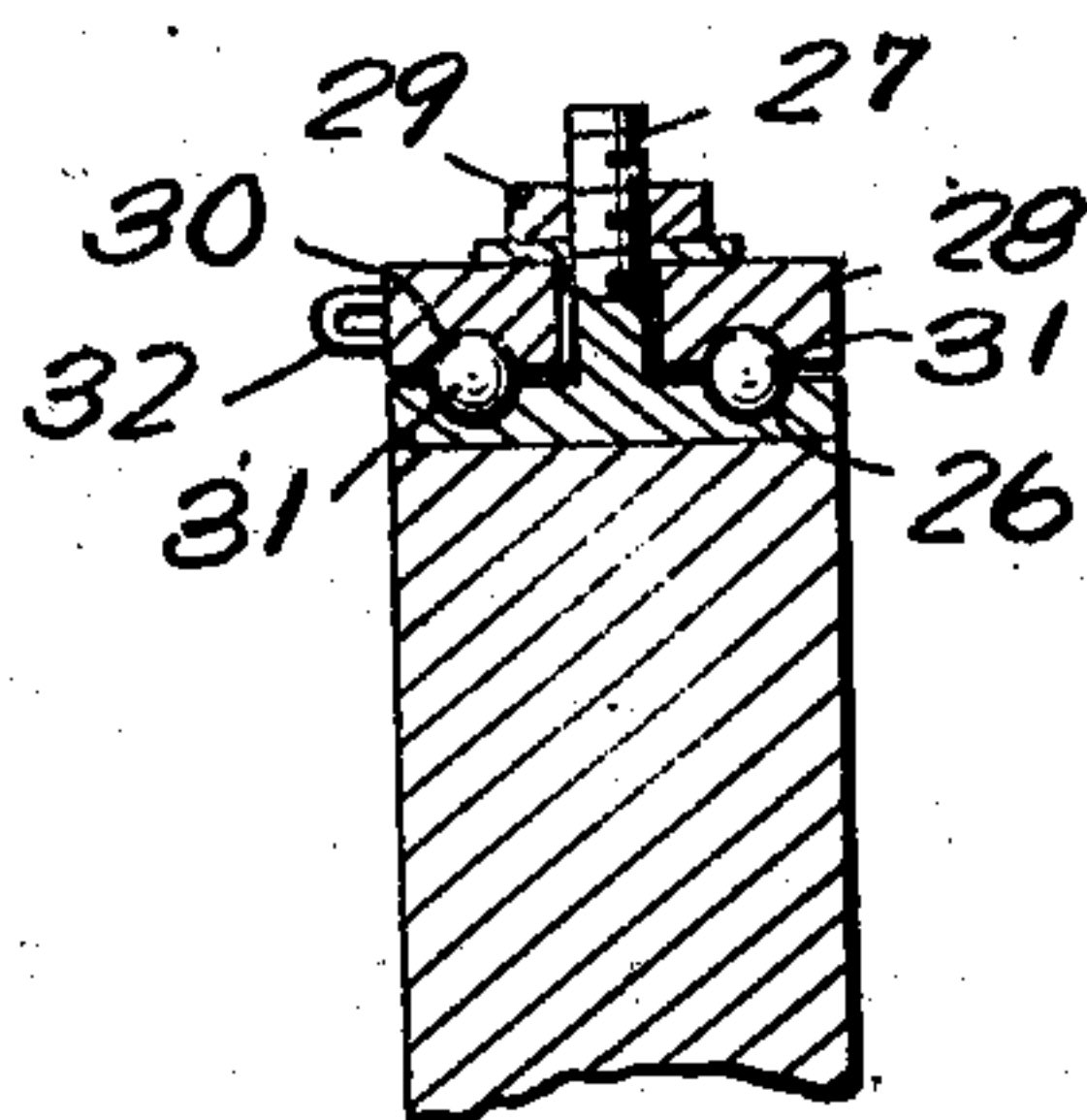
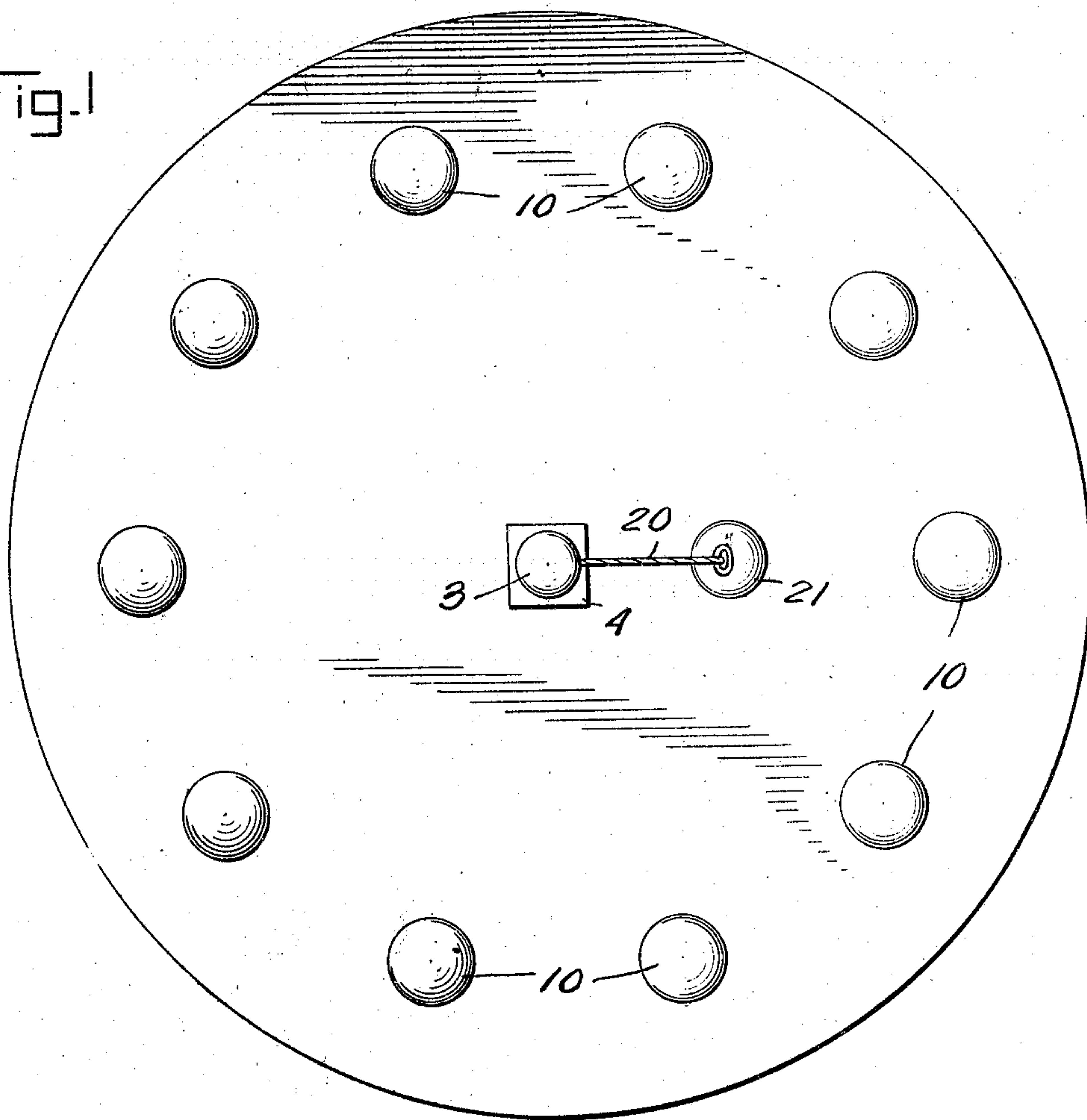


Fig. 6.

Witnesses

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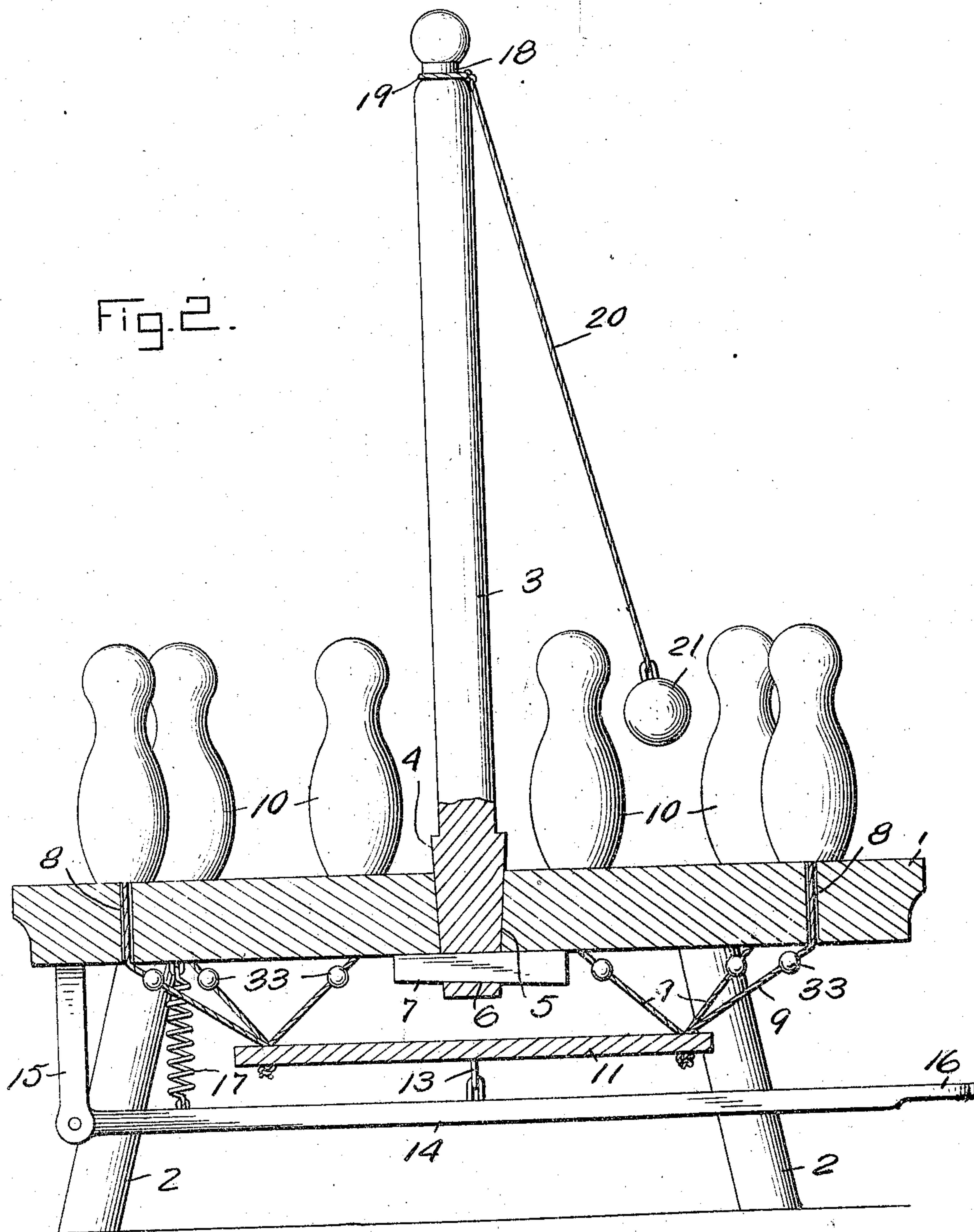
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3 SHEETS—SHEET 2.

Fig. 2.



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3 SHEETS—SHEET 3.

Fig. 3.

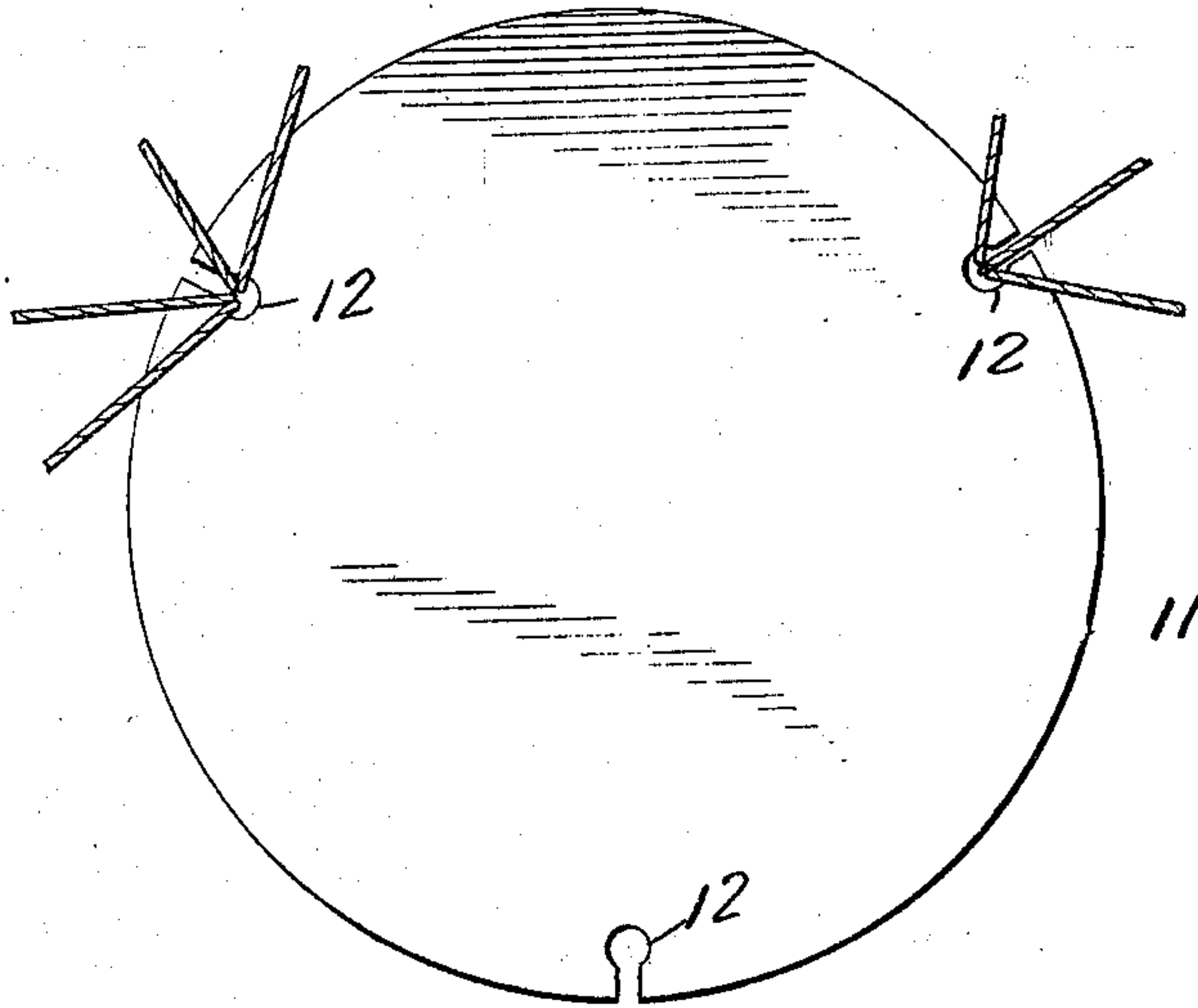


Fig. 4.

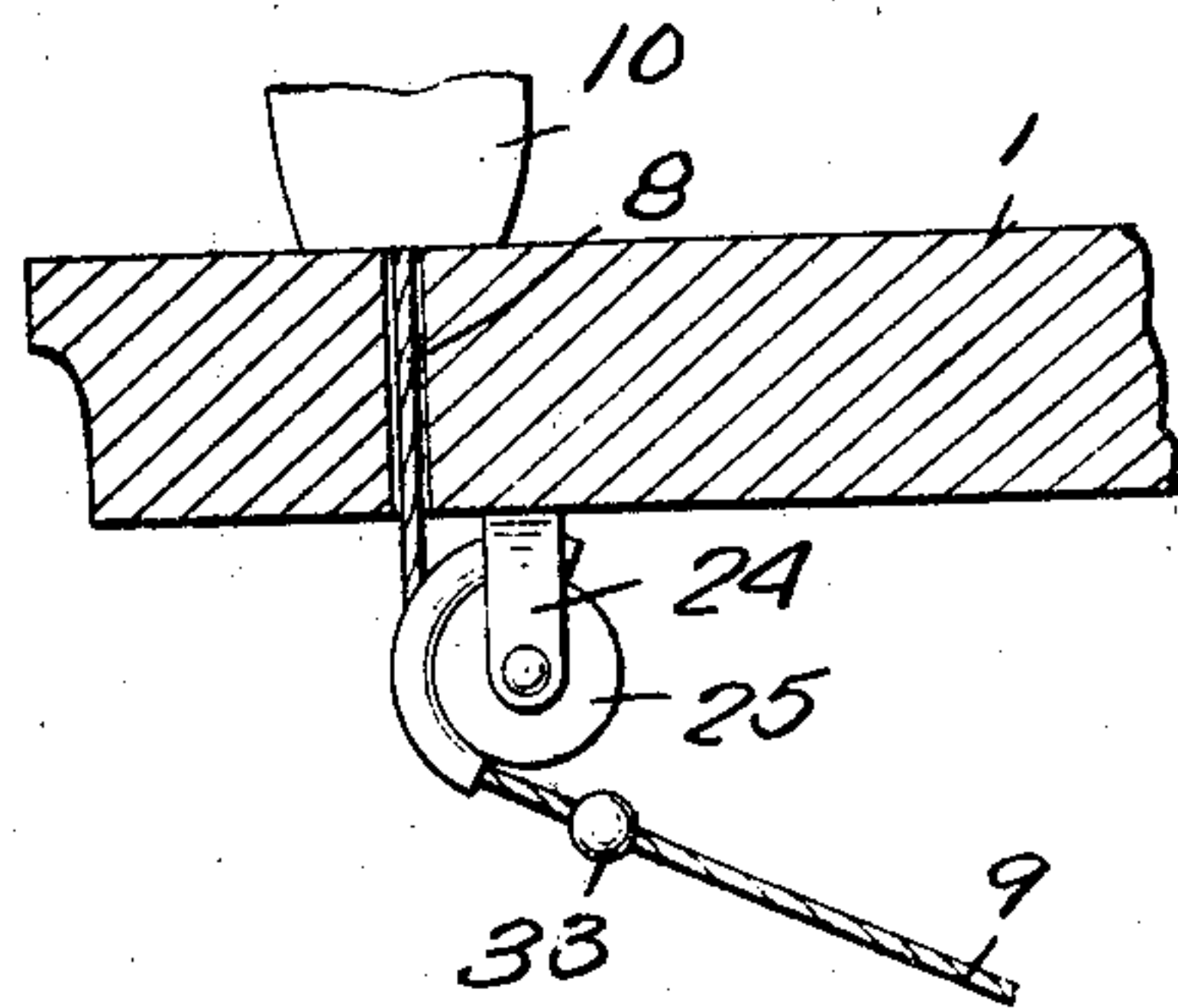
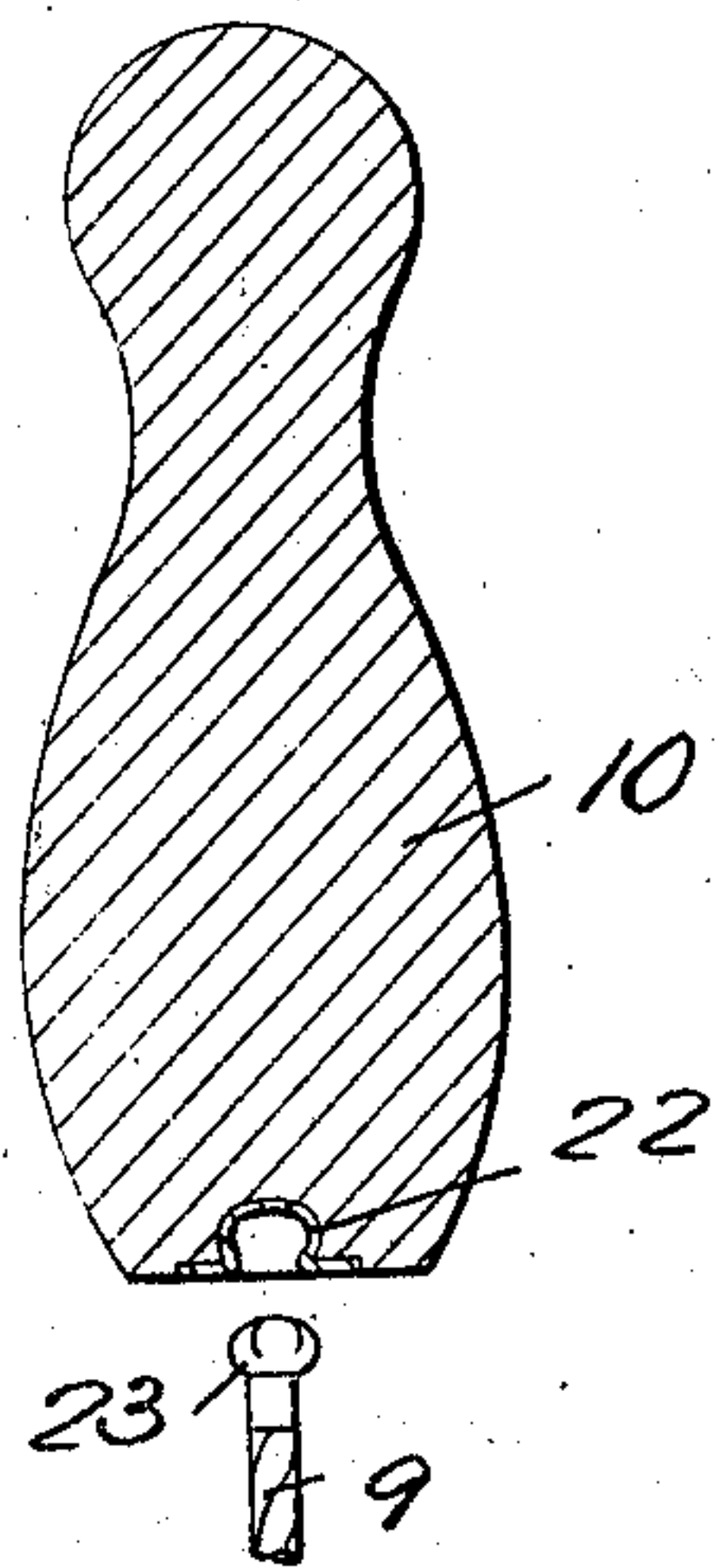


Fig. 5.

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UNITED STATES PATENT OFFICE.

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GAME APPARATUS.

No. 894,543.

Specification of Letters Patent.

Patented July 28, 1908.

Application filed June 20, 1907. Serial No. 379,957.

To all whom it may concern:

Be it known that I, JOHN G. SEILER, a citizen of the United States, residing at Aspinwall, in the county of Allegheny, State of Pennsylvania, have invented certain new and useful Improvements in Game Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in game apparatus and it has particular reference to a bowling game involving the use of ten pins and a suspended swinging ball, the object being to provide a novel construction, combination and arrangement of parts.

The details of the invention will appear in the course of the following description, in which reference is had to the accompanying drawings forming a part of this specification, like characters of reference designating similar parts, throughout the several views, wherein:

Figure 1 is a top plan view of a game constructed in accordance with the present invention. Fig. 2 is a central vertical section thereof, illustrating a foot lever for setting the pins after each inning of play. Fig. 3 is a plan view of a plate suspended beneath the base or table of the device and to which are connected the cords that control the ten pins. Fig. 4 is a sectional view illustrating the use of a spring clasp between said cords and each of said pins. Fig. 5 is an enlarged sectional view illustrating the use of sheaves which are suspended from the base or table and over which the ropes above referred to are trained. Fig. 6 is a detailed view illustrating a modified embodiment of posts, in which a swiveled head is employed as an element of the suspension means for the ball.

Referring specifically to the accompanying drawings, the numeral 1 designates a base or table, the numeral 2 its supporting legs, and the numeral 3 a post mounted centrally of the table 1, and formed at its lower end with a squared tapered head 4 which fits in a con- formable opening 5, provided in said base or table. The head 4 is formed adjacent its extremity with a slot 6, through which is engaged a wedge-shaped locking key 7, which serves to hold the post 3 against displacement.

The base or table 1 is constructed adjacent its edge or perimeter with a plurality of openings, arbitrarily ten, arranged in a circle, said openings being designated by the numeral 8, and serving to accommodate the cords 9, which have their ends connected to the ten-pins 10, and to a plate 11.

The plate 11, illustrated more particularly in Fig. 3, is formed adjacent its edges with three notches or recesses 12, of key hole shape, and the lower ends of the cords 9 are knotted together. Six of such cords have their ends knotted in series of three, and engaged in two of the recesses 12 and the four remaining cords have their ends knotted together and engaged in the remaining recess 12. The notches as shown are placed equidistant from one another. The plate 11 is formed with a depending hook 13, which is engaged with a lever 14, the latter being pivoted below the table in brackets 15, depending from the base or table 1, and at its projecting front end being formed with a treadle 16. The lever 14 is normally elevated by a retractile coil spring 17 which has one end engaged with said lever and the other end engaged with said base or table. The lever 14 and the plate 11 are each provided with a staple 13, these staples being connected as shown in Fig. 2 to form links so that the lever is permitted a certain upward movement independent of the disk 11.

The post 3 at its upper end is formed with an annular groove 18, which receives the looped end 19 of a cord 20, the latter carrying at its free end a spherical weight or ball 21.

The game is designed to be made in varying sizes and may accordingly be used for indoor amusement or outdoor amusement and exercise.

Various arbitrary rules may be formulated for scoring to determine the winner. It is not deemed necessary to mention any of these special rules in this specification.

In playing the game the player grasps the ball 21 in one hand and moves the same outwardly until the rope 20 is disposed along an inclined line. The ball 21, is then released with a gentle swinging motion to impart a nutatory movement thereto, and as said ball gradually swings towards its center, to wit, the post 3, it will sweep along the circle of pins and knock them down, the object being to knock down as many pins as possible at one play. After the pins have been knocked

down, at the termination of each play, the lever 14 is depressed with the foot and in such action, lowers the plate 11, and by virtue of the connecting cords 9 resets the pins upon the table to their former position.

In the embodiment of the invention illustrated in Fig. 4, each pin 10 is formed in its under surface with a central recess in which is engaged a resilient socket member 22 and each cord 9 carries a resilient knob 23 for conformable engagement in the socket member 22, as will be readily understood.

In the embodiment of the invention illustrated in Fig. 5, the table 1 is provided adjacent each of the openings 8, with depending brackets 24, which support pulley segments 25 over which the cords 9 are trained. This form of the invention is especially adapted for large apparatuses designed for outdoor use.

In the embodiment of the invention illustrated in Fig. 6, the post 3 at its upper end is formed with an annular raceway 26, and is provided with a centrally located axially projecting reduced extension 27. Surrounding the extensions 27 is an annular head 28, which is held from displacement by a nut 29 threaded on said extension. The head 28 is formed with an annular groove 30 which confronts the raceway 26 and which cooperates therewith, to hold ball bearings 31. The head 28 is formed at one side thereof with an

eye 32 in which the ends of the cord 20 is engaged.

In all the forms of the invention the cords 9 are provided with buttons 33 adjacent the openings 8, such buttons serving as stops to limit the movement of said cords when the pins 10 are knocked down.

What is claimed is:

A game apparatus comprising a suitably supported table having a central and a plurality of edge perforations, a post in said central perforation having a circumscribing groove at its upper end, a ten-pin for each of said edge perforations, a cord secured centrally to the bottom of each ten-pin, a plate having three notches equidistant from one another, said cords being secured within said notches said plate being carried and held at three points by all of said cords, a lever pivoted below said table and linked to said notched plate, a spring secured to said table and said lever, a stop secured below said table to each of said pin cords, a strand loosely engaging said post collar, and a spherical weight secured to said strand.

In testimony whereof, I affix my signature, in presence of two witnesses.

JOHN G. SEILER.

Witnesses:

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