No. 714,911. Patented Dec. 2, 1902.

A. JEISI.

BOWLING GAME.

(Application filed Mar. 12, 1902.)

(No Model.)

Fig. 1.

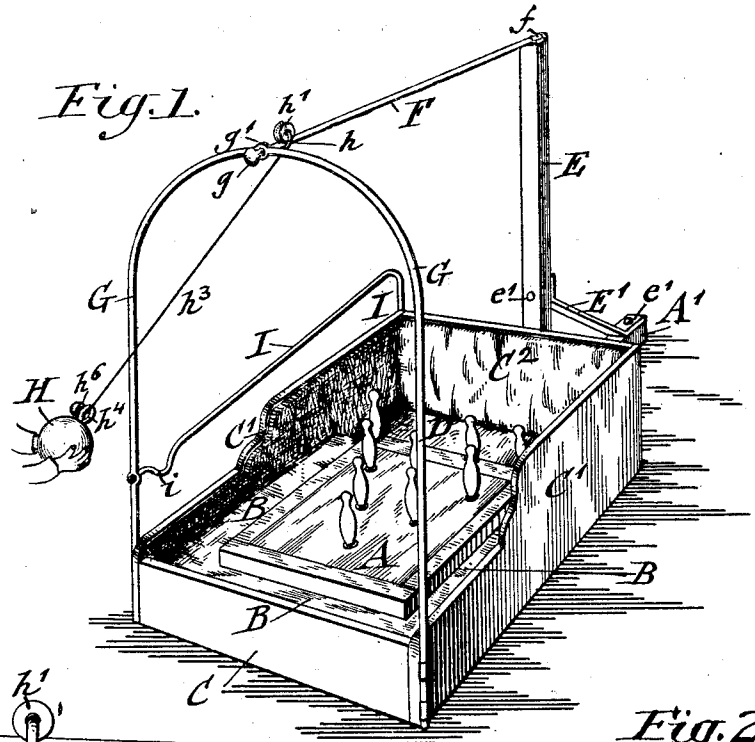


Fig. 2.

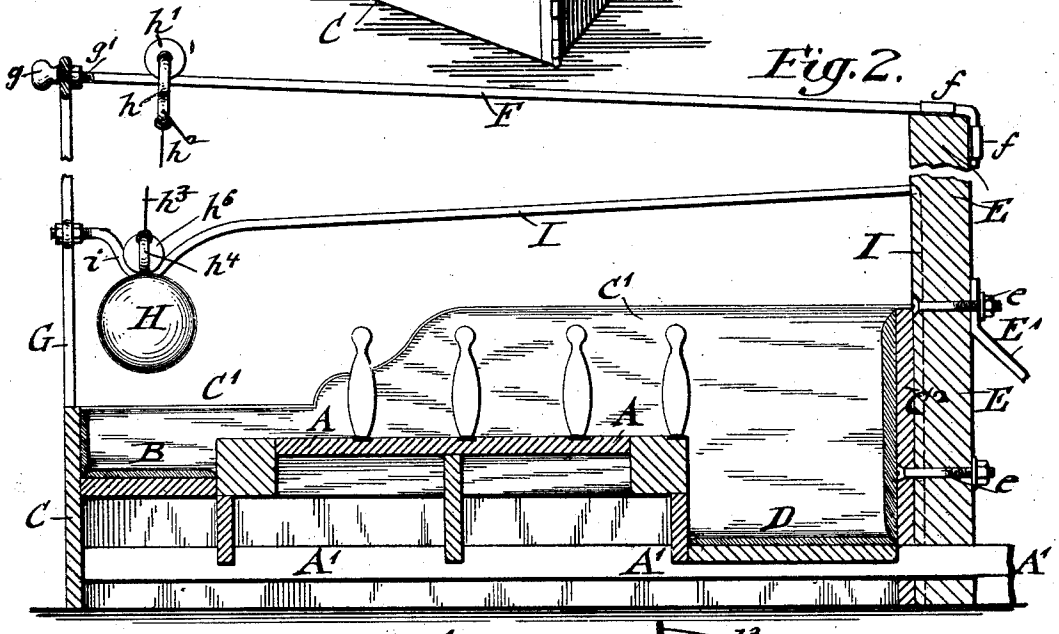
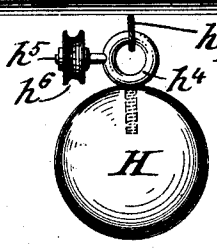


Fig. 3.



Fig. 4.



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BOWLING GAME.

SPECIFICATION forming part of Letters Patent No. 714,911, dated December 2, 1902.

Application filed March 12, 1902. Serial No. 97,921. (No model.)

To all whom it may concern:

Be it known that I, ADOLF JEISI, a citizen of the United States, residing in New York, borough of Bronx, and State of New York, have invented certain new and useful Improvements in Bowling Games, of which the following is a specification.

This invention relates to an improved bowling game which can be used either indoors on a larger scale for grown people and on a smaller scale for children or outdoors, as in parks, for recreation; and the invention consists of a bowling game comprising a raised pin-board, gutters at the front and sides of the same, a well at the rear of the pin-board, raised back and side boards extending along the gutters and well, an upright post, an arched brace in front of the pin-board, an inclined rod connecting the upper end of the post with the arched brace, a sliding link guided on said rod, and a ball suspended by a cord from said sliding link, said ball being used to knock down the pins and finally strikes upon the cushioned back board.

The invention consists, further, of an inclined guide-rod on one of the side boards of the frame of the pin-board, said rod having a bend at its front end and being adapted to guide the ball to the front of the device, a guide-pulley at the side of the supporting-eye of the ball, as will be fully described hereinafter, and finally pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of my improved bowling game, showing the pins in position on the pin-board and the ball ready to be thrown. Fig. 2 is a vertical longitudinal section drawn on a larger scale, and Figs. 3 and 4 are respectively a side elevation of the sliding link to which the suspension-cord of the ball is applied and a side view of the guide-puller for the ball.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a rectangular pin-board, which is made of the size usually employed in the ordinary bowling-alleys. The pin-board is provided with the guide-marks for setting up the pins at their proper places and is partly surrounded by a depressed gutter B, which is inclosed by raised boards C C′ at the front and sides of the pin-board, said side boards C′ and the rear board C^2 being of sufficient height to prevent the knocking of the pins over the same. At the rear of the pin-board A is arranged a well D, of greater depth than the gutter B, into which the pins are likely to be knocked. The rear wall C^2 of the device, as well as the inner part of the side boards, is padded, so as to deaden the noise produced by the striking of the balls against the side and rear walls. To the rear wall C^2 is attached by suitable fastening-bolts e an upright post E, which is rigidly held in position by a metallic brace E′, that connects the post with the backwardly-extending central supporting-piece A′ of the pin-board A. The ends of the brace E′ are attached by screw-bolts e', respectively, to the piece A′ and the post E. In front of the pin-board is arranged an arched brace G, which is attached at its lower ends to the side boards C′, as shown in Fig. 1. The upper end of the post E is connected with the highest point of the arched support G by means of an inclined rod F, the rear end of which is attached by straps or keepers f to the upper end of the post E, while the front end is attached to a central eye of the arched brace G by a jam-nut g' and ball-shaped nut g. On the inclined rod F is guided a sliding link h, which is preferably provided with a guide-pulley h', so as to move easily over the same. To the eye of the sliding link h is attached a suspension-cord h^3 for the ball H. The lower end of the suspension-cord is attached to a screw-eye h^4, the threaded shank of which is screwed into the ball H. The screw-eye h^4 is provided with a short laterally-extending shaft h^5, which carries a guide-pulley h^6, by means of which the ball is guided along an inclined rod I, attached at the front end to the arched brace G and at its rear end to one of the side boards C′. The guide-pulley that is arranged sidewise of the screw-eye h^4 serves for returning the ball toward the front end of the device to be conveniently within reach of the player. The ball is sent off down the rod I, which is slightly inclined to the front end, by the attendant who sets up the pins, the force of the starting push being sufficient to carry the guide-pulley h' over the slight as-

cent of the rod F until the guide-pulley h^6 of the ball arrives at the bend i of the guide-rod I, where the ball is retained until required for use. The ball, which is of the usual size of balls used for bowling, is preferably held by both hands, the player standing in front of the pin-board, as shown in Fig. 1. By throwing the ball the pins are struck and knocked into the side gutters or into the well, as the case may be. Simultaneously with the throwing of the ball the sliding link moves along the rod F until it arrives near the upright post, while the ball strikes one of the cushions of the side or rear walls. At each throw the ball moves with the sliding link and cord toward the post. The attendant who sets up the pins returns the ball by supporting it on the side guide-rod I, so that by a slight push it is carried over the rod until it arrives at the depression i of the side rod I, so as to be ready to be taken off for use by the player. A certain amount of practice is required by the player in throwing the ball in order to become proficient, so that much interest is created in the playing of the game.

The game can be used indoors, in which case the pin-board is arranged level with the floor and the side boards project above the same, or it can be used outdoors, in parks, &c., in which case the earth is tamped around the side and rear boards of the pin-board. It can also be made on a smaller scale to be used indoors for children, in which case, however, the upright post is made detachable, so as to permit of its being packed in a box with the game.

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

In a bowling game, the combination of a pin-board, a number of pins placed on the same, gutters extending around the front and sides of said pin-board, a well at the rear part of the board, side and rear boards extending around said gutters and well, a top guide-rod supported at a suitable height above the pin-board, a sliding link guided on the same, a ball suspended from said sliding link and provided with a screw-eye having a side pulley on the same, and a side guide-rod provided with a bent portion near its front end, said side guide-rod being slightly inclined for permitting the return of the ball toward the front end of the structure, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

ADOLF JEISI.

Witnesses:
PAUL GOEPEL,
C. BRADWAY.