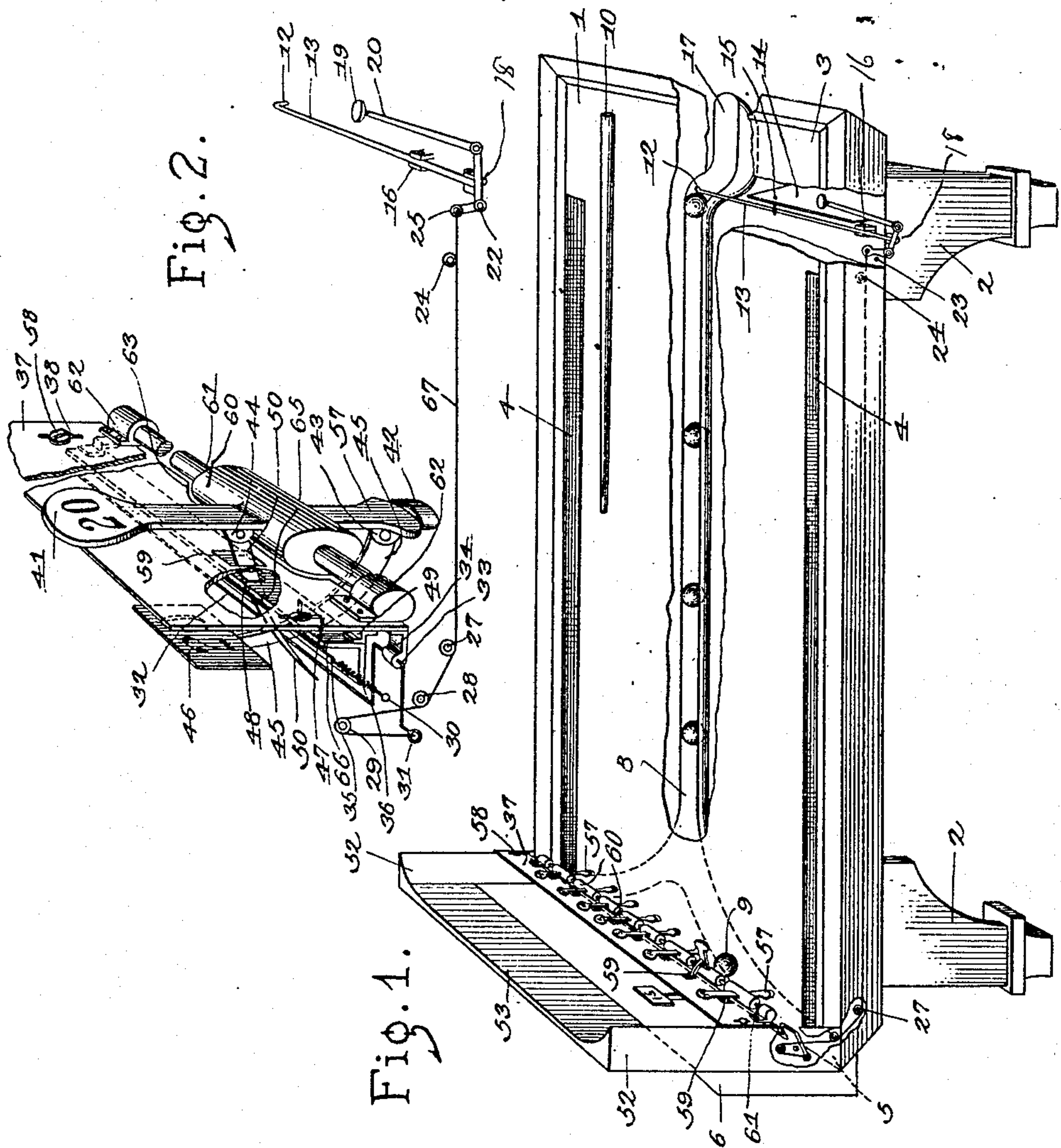


No. 875,015.

PATENTED DEC. 31, 1907.

T. A. UPTON.
POOL BOWLING TABLE.
APPLICATION FILED MAR. 20, 1905.



Witnesses:

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UNITED STATES PATENT OFFICE.

THOMAS A. UPTON, OF TOLEDO, OHIO.

POOL BOWLING-TABLE.

No. 875,015.

Specification of Letters Patent.

Patented Dec. 31, 1907.

Application filed March 20, 1905. Serial No. 251,149.

To all whom it may concern:

Be it known that I, THOMAS A. UPTON, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in a Pool Bowling-Table, of which the following is a specification.

This invention relates to new and useful improvements in game apparatus, and relates more particularly to that class known as surface projectiles.

It is primarily the object of this invention to provide a novel game, which combines in a sense certain features of bowling and pool, the game being played on a table similar to a pool or billiard table and having an arrangement somewhat like a bowling alley.

It is furthermore, an object of this invention to provide a novel mechanism whereby the score made by a player is automatically displayed after each shot.

It is also an object of the invention to provide novel means for withdrawing the score displayed.

It is also an object of this invention to provide novel means for the return of the balls used in the game; and furthermore, it is an object of the invention to provide novel means for controlling the return of said balls.

Finally an object of this invention is to produce a device of the character noted, which will possess advantages in points of simplicity, efficiency and durability, proving at the same time comparatively inexpensive to produce and maintain.

With the foregoing and other objects in view, the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification, wherein like characters denote corresponding parts in the several views, in which—

Figure 1, is a view in perspective partly broken away, of the invention. Fig. 2, is an enlarged detail view in perspective of a detail of the invention.

In these drawings 1, indicates a table being of the regulation pool or billiard size preferably the latter, and said table is supported by the legs 2, of any suitable height. To either side of the table commencing at a point slightly in advance of the front of the table and extending to the opposite end

thereof are the gutters 4, which give to the bed 3, of the table the appearance of a bowling alley.

The gutters 4, communicate with a back stop or buffer 6, of canvas or other material. This buffer is adapted to catch all balls that roll down the gutter and are shot on the bed 3, in the playing of the game. Also communicating with the back stop 6, are the converging run-ways 5, which pass under the bed of the table and communicate with the return run-way 8, extending longitudinally of the center of the table and terminating at its free end in the bowl 17, arranged on a plane slightly below that of the run-way 8. These run-ways 5 and 8, are fixed on an incline so that the balls will pass there down by gravity. The back stop is also arranged that the balls caught thereby will be deflected toward the run-ways 5. Extending upward from the rear corners of the table are the uprights 52, connected at the top by the cross piece 53. These uprights may be of any height desired as will meet the requirements of practice and not mar the general appearance of the apparatus. Extending across the table is the cross-metal strip 37, having adjacent its ends the slots 38, through which pass the screws 58, engaging the uprights 52, and holding the cross strip thereto. The slots 38, and the screws 58, permit a vertical adjustment of the strip. The lower edge of this strip is slightly above the bed of the table, said distance being sufficient to permit the balls 9, employed in the game to pass thereunder. This adjustment permits the use of balls of varying sizes.

To the outer face of the strip 37, and adjacent the ends thereof are bearings 62, in which is mounted a rod 61. Loosely engaging the rod 61, is a plurality of object posts 57, towards which, when playing the game, the balls 9, are directed, said balls receiving their momentum through the aid of the cue 10. These posts may be of any number, but it has been found best to employ eight, each of which having a certain valuation, said valuation being displayed on the upper end 41, of each post. Embracing the lower ends of the post and at a point where the balls would strike, is a rubber buffer 42, the purpose of which will be, it is thought, plainly apparent. The posts 57, are mounted on the rod 61, in any ordinary manner or preferably as shown in the drawings, wherein each post 57, is provided with

an intermediate sleeve 60, which embraces the rod 61, as is more particularly illustrated in Fig. 2. As the construction of all the posts 57, is the same, for the convenience of description, a detail of but one will be given.

Held by the rear face of the cross strip 37, by means of the clips 49, is the L-strip 66, provided with an aperture 47, through which passes the signal post 45. This post is pivoted at its lower end to a lug 43, formed on the lower end of the object post 57. This post 45, is curved and carries on its free end the signal plate 46, on which is displayed the valuation of the object post. Projecting from the object post at a point just above the sleeve 60, is a second lug 44, to which is pivoted a latch 50, which extends through an aperture 59, in the cross strip 37, through an aperture 48, in the strip 66. This latch 50, is also curved and extends downwardly from the object post. This latch is provided with a lug 65, adapted to normally engage the strip 66. The force of a ball upon striking the object post which point of contact will be at 42, will be sufficient to release the lug 65, from the bar and cause said object post to move upon the rod and force the signal plate 46, above the plate 59, and thus exposing to the players, the score made by that individual post. In order to keep the latch in position or the lug thereof in engagement with the strip 66, a tension cable 35, is arranged thereover, said cable being secured at its ends 30, to the uprights 52, and is provided at one end with the coils 36, in order that sufficient elasticity may be given to the cable.

In order to raise the posts that have been "knocked down" a lifting rod 32, is journaled in the projections 34, extending from the rear face of the cross strip 37. This rod extends across the table beneath the latches and is provided with a crank 33, terminating in an eye 31. To this eye 31, is secured the cable 67, which passes up around a pulley 29, and under pulleys 28, 27, and 24, and secured at its opposite end to a lever 25, which is connected to the bell crank lever 20, pivoted to the table as at 22. The free end of the lever 20, is provided with an operating knob 19, and to limit the movement of the lever 25, a stop or pin 23, is positioned on the table as is shown in Fig 1. By depressing the knob 19, the cable 67, is caused to raise the rod 32, which engages the latches 50, of the object posts 57, and causes the same to be returned to their normal or elevated position. This is thought to be plainly obvious from an inspection of the drawings.

The bowl 17, is of such size as to receive but four of the playing balls that number being the shots allowed to a player in each inning or turn. To prevent the delivery of any balls into the bowl 17, until after the

inning has been finished, a rod or lever 13, is pivoted as at 16, one end having a projection 12, extending within the runway 8, and obstructing the balls passing there-down. The opposite end 18, projects beneath the bell lever 19, and only at the end of an inning, the lever 20, is depressed to return the object posts, which will at the same time free the runaways 8, from the obstruction 12, on the lever 13. To limit the upward movement of the lever 13, a pin or post 15, extends from a face plate or board 14, carried by the table.

As the manner of scoring the different valuations of the different object posts and the rules to govern the playing of the game on this apparatus forms no part of the invention, a detailed description thereof is believed to be unnecessary.

In order to permit freedom of movement of the sleeve 60, and the object posts 57, the cross strip 37, is undercut as at 63 (Fig. 2).

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

1. In combination with a game table of the character described, a score indicating device thereon comprising uprights secured to the table, a cross-piece held by the uprights, a shaft mounted on the cross-piece, posts pivotally held by the shaft intermediate their lengths, signal posts pivoted to the lower portion of the first named posts, and latches carried by the first named posts above their pivots for holding said posts vertical.

2. In combination with a game table of the character described, a score indicating device thereon comprising uprights secured to the table, a cross-piece adjustably secured to the uprights, a shaft mounted on the cross-piece, posts held by the shaft intermediate their lengths, signal posts pivoted to the lower portions of the first named posts, and latches carried by the first named posts above their pivots for holding said posts vertical.

3. In combination with a game table of the character described, a score indicating device thereon comprising uprights secured to the table, a cross-piece secured to the uprights, a shaft mounted on the cross-piece, posts pivotally held by the shaft intermediate their lengths, signal posts pivoted to the lower portions of the first named posts, latches carried by the first named posts above their pivots for holding said posts vertical, and means for returning said posts to their vertical position after the latches have been released.

4. In combination with a game table of the character described, a score indicating device thereon comprising uprights secured to the table, a cross-piece secured to the uprights, a shaft mounted on the cross-piece,

posts pivotally held by the shaft intermediate their lengths, signal posts pivoted to the lower portions of the first named posts, latches carried by the first named posts
 5 above their pivots for holding said posts vertically, and a tension cable secured to the uprights and contacting with the latches to hold said latches in operative position.

5. In combination with a game table of
 10 the character described, a score indicating device thereon comprising uprights secured to the table, a cross-piece secured to the uprights, a shaft mounted on the cross piece,
 15 posts pivotally held by the shafts intermediate their length, signal posts pivoted to the lower portions of the first named posts, a second cross-piece arranged adjacent the first
 20 named cross piece, latches carried by the first named post, engaging the second named cross-piece for holding said posts vertical.

6. In combination with a game table of the character described, a score indicating device thereon comprising uprights secured to the table, a cross-piece secured to the up-
 25 rights, a shaft mounted on the cross-piece, posts pivotally held by the shaft intermediate their length, signal posts pivoted to the lower portion of the first named posts, a second cross-piece arranged adjacent the first
 30 named cross-piece and provided with apertures, and latches carried by the first named posts extending through the apertures of the second cross-piece and engaging the said second named cross-piece for holding said posts
 35 vertical.

7. In combination with a game table of the character described, a score indicating device thereon comprising uprights secured

to the table, a cross-piece secured to the uprights, a shaft mounted on the cross-piece,
 40 posts pivotally held by the shaft intermediate their lengths, signal posts pivoted to the lower portions of the first named posts, buffers carried by the lower ends of the first
 45 named posts, and latches carried by the first named posts above their pivots for holding said posts vertical.

8. In combination with a game table of the character described, a score indicating device thereon comprising uprights secured
 50 to the table, a cross-piece secured to the uprights, a shaft mounted on the cross-piece, posts pivotally held by the shaft intermediate their lengths, signal posts pivoted to the lower portion of the first named posts, a second
 55 named cross-piece arranged adjacent the first named cross-piece, said second named cross-piece having perforations through which the signal posts extend, and latches carried by the first named posts above their pivots for
 60 holding said posts vertical.

9. In combination, a table, posts pivotally carried by the table and normally upright, a back-stop on the table, a run-way leading from the back-stop, means for ob-
 65 structing the run-way and means for simultaneously removing the obstruction from the run-way and returning the posts to their normal position.

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

THOMAS A. UPTON.

Witnesses:

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 MAE B. FORD.