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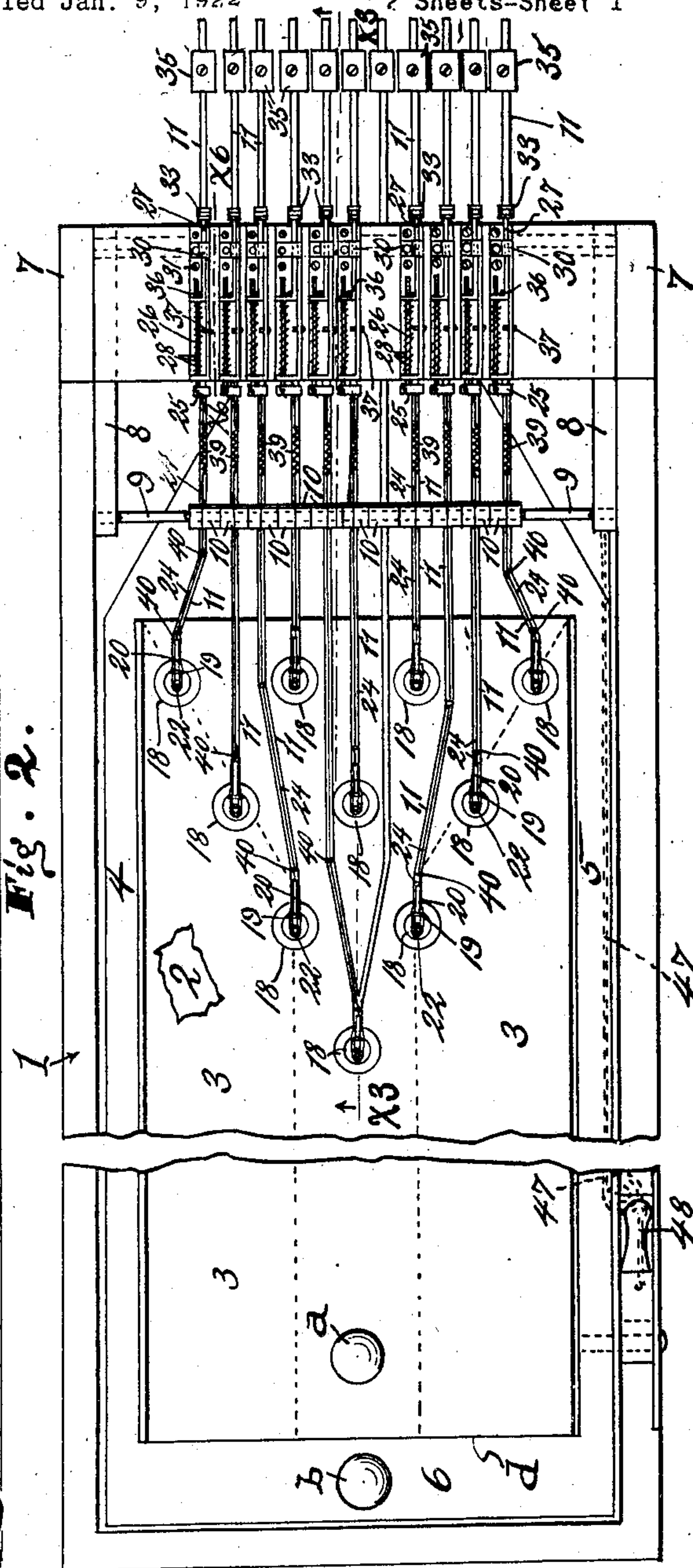
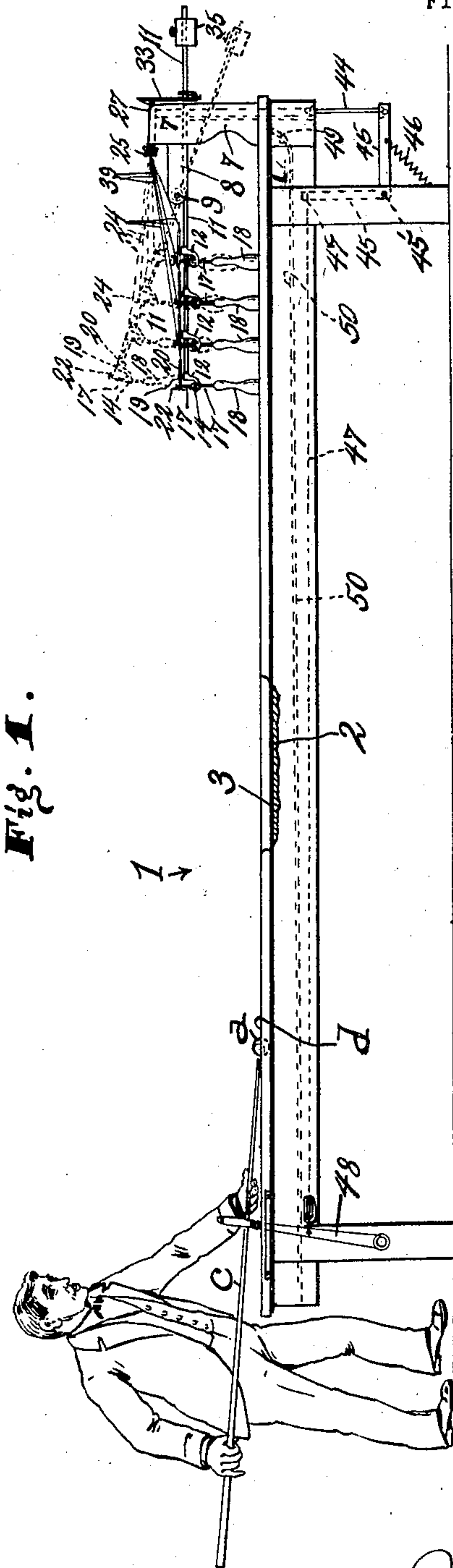
1,516,252

D. H. TALBERT

CUE PIN GAME

Filed Jan. 9, 1922

2 Sheets-Sheet 1



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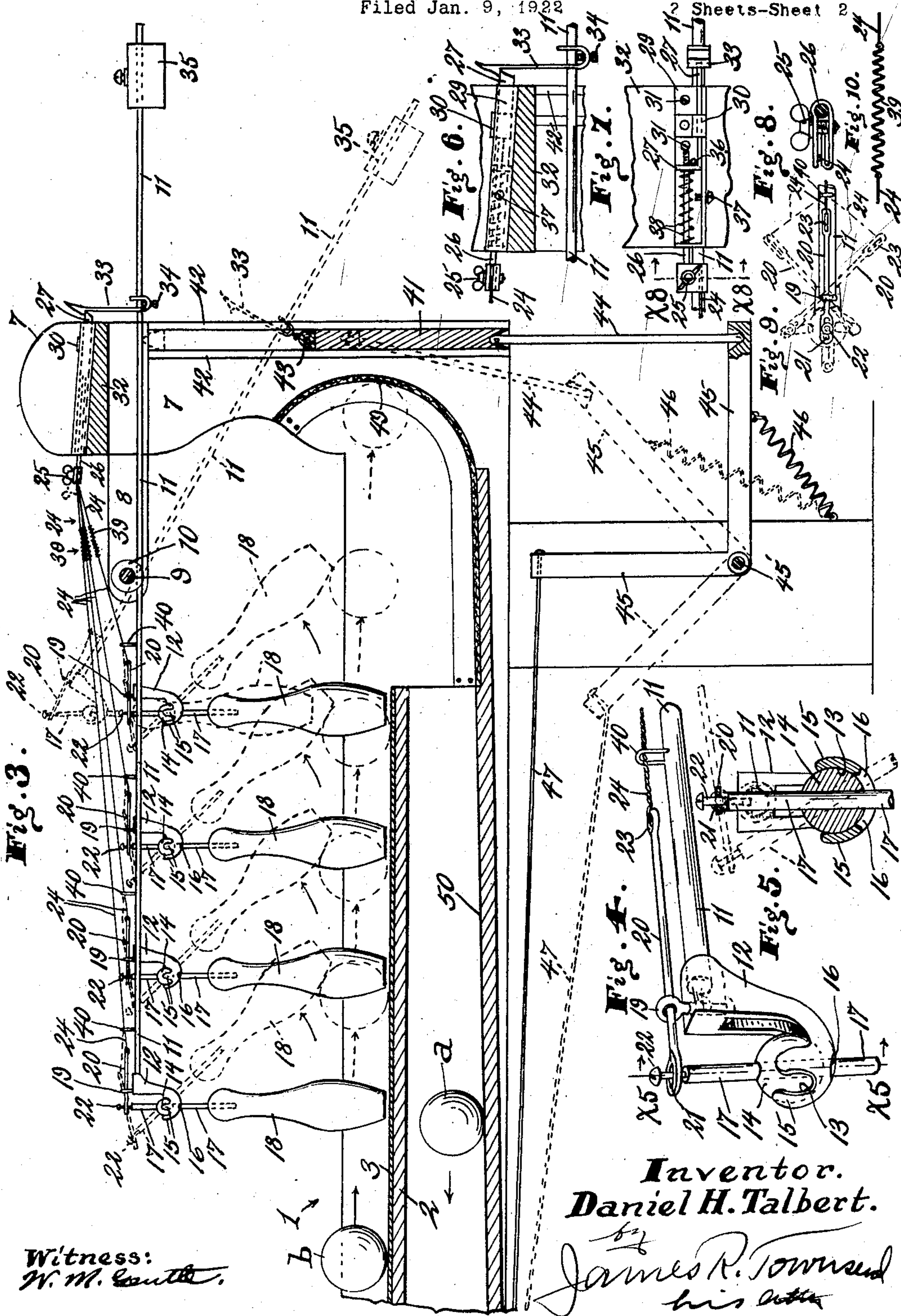
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Sheets-Sheet 2



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UNITED STATES PATENT OFFICE.

DANIEL H. TALBERT, OF LOS ANGELES, CALIFORNIA.

CUE PIN GAME.

Application filed January 9, 1922. Serial No. 527,891.

To all whom it may concern:

Be it known that I, DANIEL H. TALBERT, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Cue Pin Game, of which the following is a specification.

This invention relates to amusement appliances and an object of invention is to provide an interesting and harmless device that is desirable to be installed in homes, social clubs, municipal play grounds or amusement places.

An object of the invention is to provide an appliance that is interesting, instructive and pleasing to a majority of people regardless of age or environments; that is, it is a game in which children of kindergarten age can indulge as well as adults; and is entirely clean, harmless and without objectionable features.

Another object of the invention is to provide an amusement appliance that will not be objectionable to people who are affiliated with religious orders. As is well known there are many people of religious character or inclined who are strongly prejudiced against billiards, pool and bowling on account of the gambling and saloon associations that have in the past in a large measure accompanied these games; and an object of my invention is to provide an entirely new game that will embody the pleasing, amusing, harmless and skillful features of the games of billiard, pool and bowling without being identified in character with them.

To that end, I provide an elongated table with a ball course that has a cloth face and leveled substantially like the face of a billiard table. At one end of the table I mount ten pins arranged in the same order as the pins in a bowling alley except that my pins are suspended; and I play the game with a billiard cue and two pool balls. That is, I place a ball on the table at the end opposite the ten pins; then with the cue I drive the ball toward the ten pins substantially like a bowler releases a ball to make a strike in bowling resulting, of course, in making

a "strike," "split" or "spare," as the case may be; and the other ball is used on the split or spare.

The score is kept in a manner similar to bowling, which of course, exercises the mathematical faculty of each player to keep count of their plays correctly.

A feature of the invention is shown in the novel means for rotatably mounting my pins above the ball course in position to be struck by a ball; and mounted so they can move in arcs of circles and also can contact with adjacent pins, and of also releasing the pins after they have been struck so that they will move to an elevated position out of the way of a ball passing over the course.

Another feature of the invention is shown in the means for pivotally mounting the alley pins so that when one or more are struck by a ball, the pin or pins struck can strike other pins. That is, a ball contacting with the forward alley pin at a point off center to its axis causes the ball to deflect toward one or the other of the second alley pins and at the same time drives the forward alley pin against the other pin of the second row; thereby setting in motion the three forward pins. After the ball has struck a pin of the second row, if properly driven for a strike, it is deflected back to the center pin of the third row and then deflected to a pin of the fourth row and the agitation of the pins of the various rows striking one another and rebounding enables a player to make a "strike" as in bowling.

Another feature of the invention is shown in the novel means for resetting the pins in position for a replay by the simple operation of a hand lever at the forward end of the machine.

Other objects, advantages and features of invention may appear from the accompanying drawings, the subjoined detail description and the appended claims.

The accompanying drawings illustrate the invention.

Figure 1 is a side elevation of an appliance constructed in accordance with this invention, with a player in position to play a cue game.

Figure 2 is a fragmental plan view of said appliance.

Figure 3 is an enlarged section on line x^3 , Fig. 2.

5 Fig. 4 is a fragmental perspective view of the pin supporting end of one of the pin rods.

Fig. 5 is a fragmental section on line x^5 , Fig. 4.

10 Fig. 6 is a fragmental sectional view on line x^6 , Fig. 2 showing one of the latches for supporting a pin rod.

Fig. 7 is a plan of Fig. 6.

Fig. 8 is a section on line x^8 , Fig. 7.

15 Fig. 9 is a partly diagrammatic plan view of one of the arms for operating the latches showing altered positions by dotted lines.

Fig. 10 is an elevation of one of the compensating springs interposed in the latch operating cords.

20 An elongated table 1 is provided with a ball course 2 that is leveled like the face of a billiard table; and the surface of this course is preferably covered with a cloth 3 similar in texture to the facing of a billiard or pool table; and the course 2 extends between the side gutters 4, 5, from front gutter 6 to near the rear of the table.

30 At the rear of the table are the oppositely disposed uprights 7 that are provided with forward extensions 8 to which is secured the round transverse bar 9.

On bar 9 are pivotally mounted the blocks 10 to which are secured the rods 11 that extend longitudinally of ball course 2.

35 On the front ends of each rod 11 is secured a bracket 12 that is provided with a ball seat 13 for ball 14 and retaining lugs 15 for holding the ball in place; and in the bottom of seat 13 is an orifice 16 through which is extended the stem 17 that supports alley pin 18, and this orifice is considerably enlarged so that stem 17 can have considerable side play as well as swiveled movement

45 for universal movement of pin 18. Preferably balls 14 are shrunk on the stems 17 in position to leave an upper and lower portion; the lower end of which is secured in the upper end of pin 18 as previously stated.

50 On the upper surface of bracket 12 is the swiveled eyelet 19 through which loosely extends the arm 20 in one end of which is a slot 21 for the retaining pin 22 secured in the upper end of stem 17.

55 The other end of arm 20 is provided with an eye 23 through which is extended and secured one end of cord 24 that extends rearwardly and has its other end secured in clamp 25 on end of trip rod 26 that has one end threaded and secured to latch 27.

60 Latch 27 is movably secured in the retaining plate 29 by clip 30 that is riveted thereto; and plate 29 is secured by screws 31 to a bridge 32 secured to uprights 7.

In position to engage the latch 27 is a spring dog 33 adjustably secured by set screw 34 to rod 11; and adjustable on the rear end of rod 11 is the counter balance 35 that is adapted to depress the rear end of rod 11 and elevate the alley pin secured to its forward end when dog 33 is disengaged from latch 27.

70 Stops 36, 37 are provided in plate 29 for limiting the movement of latch 27 and a spring 38 is provided for normally holding latch 27 in engagement with stop 36.

Interposed in cord 24 is a spring 39 that compensates for the difference in movement of the arm 20 and latch 27 when a pin 18 80 is struck by a ball and moves arm 20 a greater distance than is necessary to release latch 27 from dog 33 by a pull on cord 24. That is, when latch 27 is moved from contact with stop 36 into contact with stop 37 85 and arm 20 moves on, the spring 39 yields so that cord 24 is not broken; however, the tension of spring 39 is sufficient to be unyielding by a pull on cord 24 until latch 27 is released.

90 The construction and arrangement of the parts for supporting the pins are substantially alike; that is, each pin has a supporting rod and associated parts constructed and operated in the same way.

95 Cords 24 are preferably passed through the guide rings 40 secured in suitable places on rods 11 to practically hold the cords on rods in longitudinal alinement; and rods 11 are bent and spaced apart so that the pins 18 can be arranged substantially in a triangle common to the arrangement of the pins in the game of bowling.

100 At the rear of the appliance is a pin resetting device consisting of a cross plate 41 adapted to reciprocate up and down in the guides 42; and on the upper edge of plate 41 is a resilient facing 43 preferably of rubber that contacts with the undersides of rods 11 and pushes them upwards until 105 the spring dogs 33 engage the latches 27.

Plate 43 is moved upward by rods 44 operated by bell crank levers 45 secured to a rock shaft 45'; and a spring 46 moves the plate 41 back to normal position.

110 One arm of said bell crank 45 is connected by a cable 47 to an operating lever 48 at the forward end of the machine.

When one or more of the pins are struck by a ball and moved to elevated position 115 the resetting of the pins is accomplished by a light pull on lever 48. So easy are the pins reset that a child of kindergarten age can reset them.

120 Rearward of the ball course 2 is a resilient back stop 49 that is preferably curved downward so that the balls rebounding will be directed toward a return runway 50 from the rear to the front of the appliance.

As previously indicated the game is played with two spool balls, *a*, *b*, and a cue *c*. That is, each player at a turn is entitled to the use of both balls substantially as in the game of bowling except that in this instance the ball *a* is placed on the runway at the forward end *d* and then driven by the cue *c* toward the pins; the purpose being of course to make a strike or cause all the latches 27 to release so that the counter-weight will elevate all ten pins; and the mounting and arrangements of the various parts is such that it is possible to make a strike.

If, however, a strike is not made the player is entitled to use the ball *b* to shoot at the remaining pin or pins.

I claim:

1. A cue pin game comprising a ball course; rods pivotally mounted above said course said rods having forward and rear ends; alley pins arranged to be continually supported out of contact with said course, said pins having upper and lower ends; swiveled connections between the forward ends of said rods and the upper ends of said pins whereby said pins can revolve and swing so that their lower ends will contact with and actuate adjacent pins; adjustable weights for actuating said rods to raise said pins after they have been struck by a ball passing over said course; a reciprocating cross bar for resetting said pins after they have been struck and raised; and means for actuating said reciprocating cross bar to reset said pins.

2. A cue pin game comprising a ball course; a transverse bar supported above said course; blocks pivotally mounted on said bar; rods secured to said blocks said rods having front and rear ends; brackets secured to the front ends of said rods said brackets having ball seats therein; stems extending through and secured to said balls said stems having top and bottom ends; alley pins secured to the bottom ends of said stems; weights at the rear ends of said rods for lifting said pins to an elevated position; means for lifting the rear ends of said rods to lower said pins into position to be struck by a ball passing over said course; latches for holding the rear ends of said rods in elevated position; and means connected with top ends of said stems for releasing said latches when said pins are struck.

3. A cue pin game comprising a ball course having a front and rear end; a transverse bar supported above said course; blocks pivotally mounted on said bar; rods secured to said blocks said rods having front and rear ends; brackets secured to the front ends of said rods said brackets having ball seats therein; balls in the seats of

said brackets; stems extending through and secured to said balls said stems having top and bottom ends; alley pins secured to the bottom ends of said stems; arms loosely connected to the upper ends of said stems; weights at the rear ends of said rods for lifting said pins to an elevated position; a cross plate adjacent the rear end of said course; latches on said cross plate; dogs on said rods for engaging said latches; means for lifting the rear ends of said rods to engage said dogs with said latches; and a flexible connection between said latches and said arms for releasing said dogs when said pins are struck by a ball passing over said course.

4. A cue pin game comprising the combination of a ball course; a transverse bar above said ball course, rods pivotally mounted on said bar said rods having forward and rear ends; pins rotatably mounted on the forward ends of said rods; weights attached to the rear ends of said rods that are adapted to lift said pins; means for holding said pins in position to be struck by a ball passing over said ball course; means for releasing said rods when the pins thereon are struck by a ball so that said weights will lift said pins and a cue for driving a ball over said course.

5. A cue pin game comprising a ball course; a transverse bar above said ball course; rods pivotally mounted on said bar; pins pivotally mounted on the forward ends of said rods; weights adjustable on the rear ends of said rods and adapted to lift said pins; latches mounted above said rods; dogs on said rods for engaging said latches and holding said rods so that the pins thereon are in position to be struck by a ball; means for moving the dogs into engagement with said latches; and means for disengaging the latches from said dogs when said pins are struck.

6. A cue pin game comprising a ball course; a transverse bar above said ball course; rods pivotally mounted on said bar; brackets on the forward ends of said rods and movable therewith; pins pivotally mounted in said brackets; weights on the rear ends of said rods, said weights adapted to elevate said pins; latches above said rods; dogs on said rods for engaging said latches and holding said rods so that the pins thereon are in position to be struck by a ball passing over said course; means for moving said dogs into engagement with said latches; and a connection between said latches and said pins whereby said latches are released from said dogs when said pins are struck by a ball passing over said course.

7. A cue pin game comprising a ball course; a transverse bar above said ball course; rods pivotally mounted on said bar; brackets on the forward ends of said rods, said brackets having ball seats; balls in said

seats; alley pins connected to said balls; latches above said rods; dogs on said rods for engaging said latches and holding said pins in position to be struck by a ball; 5 means for moving said dogs into engagement with said latches; counter-weights on the rear ends of said rods for elevating said pins when struck by a ball; and cord connections from said latches to said pins 10 whereby said latches are released from said dogs when said pins are struck by a ball.

8. A cue pin game comprising a ball course; a bar above said ball course; rods pivotally mounted on said bar; brackets on 15 the forward ends of said rods, said brackets having ball seats; balls in said seats; stems through said balls; alley pins connected to the lower ends of said stems; arms connected to the upper ends of said stems; swiveled 20 eyelets on said brackets through which said

arms pass; latches above said rods; dogs on said rods for engaging said latches, said dogs adapted to hold said rods so that the pins on their forward ends are in position to be struck by a ball passing over said 25 course; cord connections between said latches and said arms whereby said latches are released from said dogs when said pins are struck by a ball; means for resetting said pins by moving said dogs into engagement 30 with said latches; and means at the rear of said ball course for deflecting a ball that has passed over said course so that it will return to the forward end of said course.

In testimony whereof, I have hereunto set 35 my hand at Los Angeles, California, this 30th day of December, 1921.

DANIEL H. TALBERT.

Witness:

JAMES R. TOWNSEND.