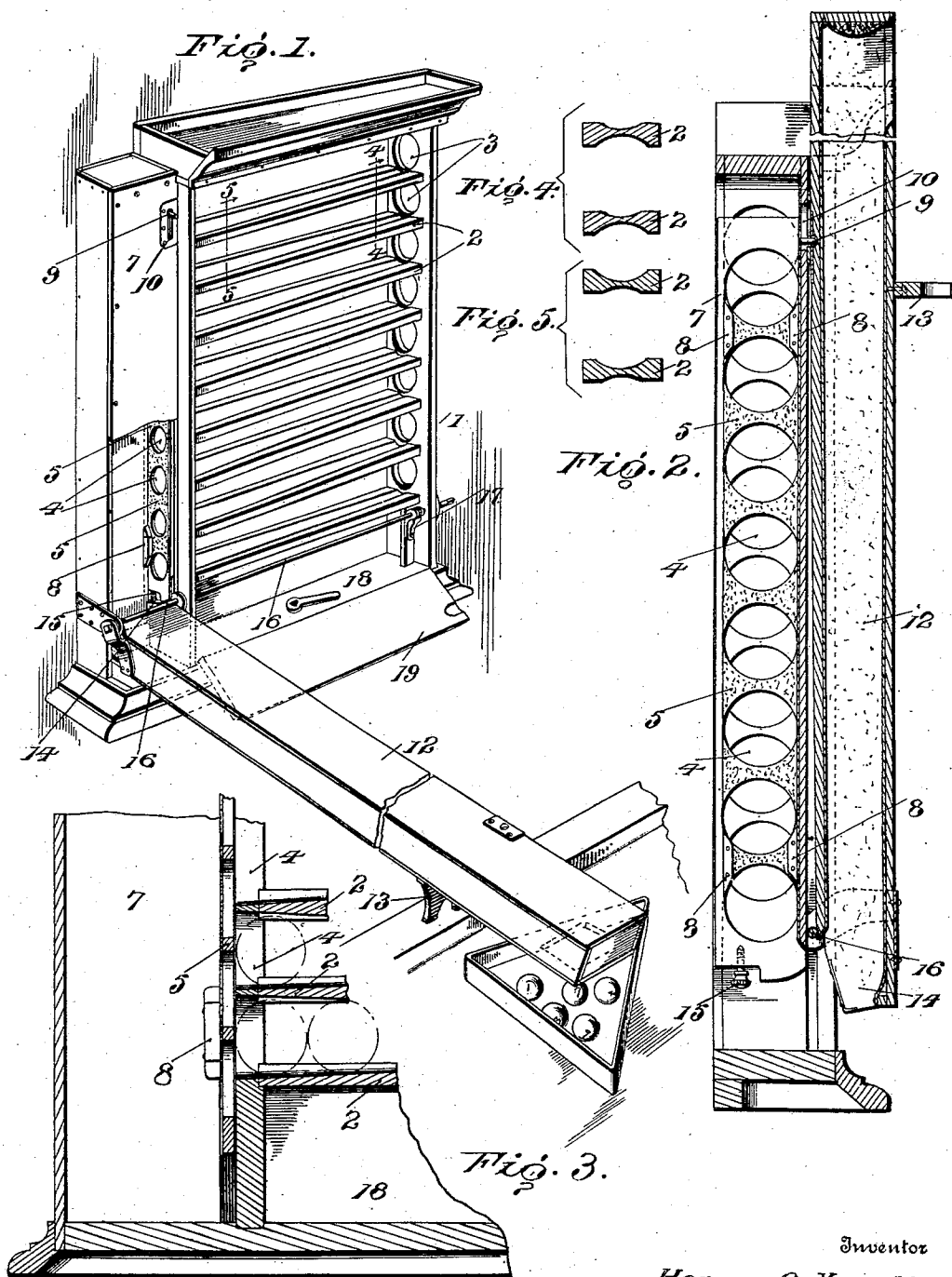


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H. O. YEWELL.
POOL BALL RACK.
APPLICATION FILED JUNE 10, 1907.



Witnesses

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HORACE O. YEWELL, OF GLENWOOD SPRINGS, COLORADO.

POOL-BALL RACK.

No. 884,699.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HORACE O. YEWELL, of Glenwood Springs, in the county of Garfield and State of Colorado, have invented certain new and useful Improvements in Pool-Ball Racks; 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.

The primary object of this invention is to provide a pool ball rack with improved means for automatically effecting the discharge of all the balls from one or more shelves directly onto the pool table.

The invention will be hereinafter fully set forth and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective, showing the chute lowered onto a table. Fig. 2 is a vertical sectional view through the delivery end. Fig. 3 is an enlarged fragmentary view. Figs. 4 and 5 are, respectively, cross sectional views on lines 4—4, and 5—5, Fig. 1.

Referring to the drawings, 1 designates a pool ball rack having a series of shelves 2, the runways whereon are inclined from the entrance openings 3 in one side to discharge openings 4 in the opposite side. The upper surface of each shelf is formed with a groove wider at one end than the other. The under surface of the next higher shelf is also grooved, but the wider end is above the narrow end of the groove of the lower shelf. (See Figs. 4 and 5.) The discharge openings are normally closed by a slidable stop 5, which consists of a board fitted against the discharge side of the rack and formed with openings corresponding to the discharge openings. Normally, the solid portions between the several openings of the slide intersect the discharge openings 4 to prevent the passage of the balls. The stop-board 5 is located within a chambered extension 7 of the rack frame, and is guided by lugs 8. To prevent vertical displacement of the stop-board a pin 9 projecting therefrom works in a slot 10 in the front wall of the extension 7. Near the base of the chambered extension 7, at the front thereof is hinged a chute 12, which controls the position of the stop-board 5 and through which the balls are discharged directly onto the table. To the chute near its discharge opening is secured a rest 13 which bears on the cushion rail when the chute is

lowered over a pool table. When chute 12 is in its vertical position, against the front wall of extension 7, the stop-board 5 is in the position shown in Fig. 2, but when the chute is lowered, as shown in Fig. 1, an extension 14 of one side thereof engages the lower end of the stop-board and forces the same upwardly. In order to regulate the coincidence of the openings in the rack and stop a thumb screw 15 is adjustably mounted in the lower end of the stop-board and with which the extension 14 of the chute engages as the latter approaches the limit of its downward movement.

Preferably the chute is secured by hinge leaves and a torsional spring rod 16, the tension whereof is controlled by a lock 17, one end of such rod being extended so that it may be engaged and turned by a key. Other means may be employed for insuring the retention of the chute in its normal or vertical position. Beneath the shelves is a compartment 18, for the rod key brushes, chalk and the like, such compartment being normally closed by a door 19.

The advantages of my invention are apparent. It will be observed that by means thereof time and trouble may be saved in pool playing. The balls are introduced into the rack through the openings 3 but cannot pass from the inclined shelves while the discharge chute remains in its normal position.

As soon as this chute is lowered onto the table the slidable stop-board 5 will cease to obstruct the passage of the balls, and the latter will fall through the chambered extension 7 into the chute, and be discharged from the latter directly onto the table. As soon as the operator releases his hold on the chute the latter will return to its normal position under the action of its spring-rod and the slide will resume its blocking position. The chambered-extension and chute may be lined with felt to deaden the sound of the balls as they pass therethrough.

I claim as my invention:

1. A pool-ball rack having a series of inclined shelves and discharge openings at one end thereof, a vertically movable stop extended over the discharge side of the rack for normally blocking the passage from said shelves, a chute normally occupying an upright position, and means for causing said stop to be moved vertically out of its blocking position when the chute is moved in one direction.

2. A pool-ball rack having a series of inclined shelves and discharge openings at one end thereof, a stop mounted over said discharge openings, a chute mounted near the
5 lower end of said stop and normally occupying an upright position, and an extension carried by said chute for engaging said stop to move it out of its blocking position.

3. A pool-ball rack having a series of inclined shelves and discharge openings at one
10 end thereof, a stop-board extended over said discharge openings, a chambered extension wherein said stop-board is located, guides for said stop-board, a chute hinged to the lower
15 end of said extension, and means actuated by said chute for moving said stop-board.

4. A pool-ball rack having inclined shelves and discharge openings at one end thereof, a stop-board fitted against the discharge side
20 of the rack having openings corresponding to said discharge openings, a chute, spring-im-

pelled means for normally holding said chute in an upright position, and means carried by said chute for moving said stop-board.

5. A pool-ball rack having inclined shelves
25 and discharge openings at one end thereof, a stop-board fitted against the discharge side of the rack having openings corresponding to said discharge openings, a chute hinged at one end and having an extension at such
30 end, an adjustable screw carried by said stop-board with which said extension is designed to engage, and means for holding said chute in its normal position.

In testimony whereof, I have signed this
35 specification in the presence of two subscribing witnesses.

HORACE O. YEWELL.

Witnesses:

JOHN D. FILLMORE,
A. L. CHASE.