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GAME APPARATUS.

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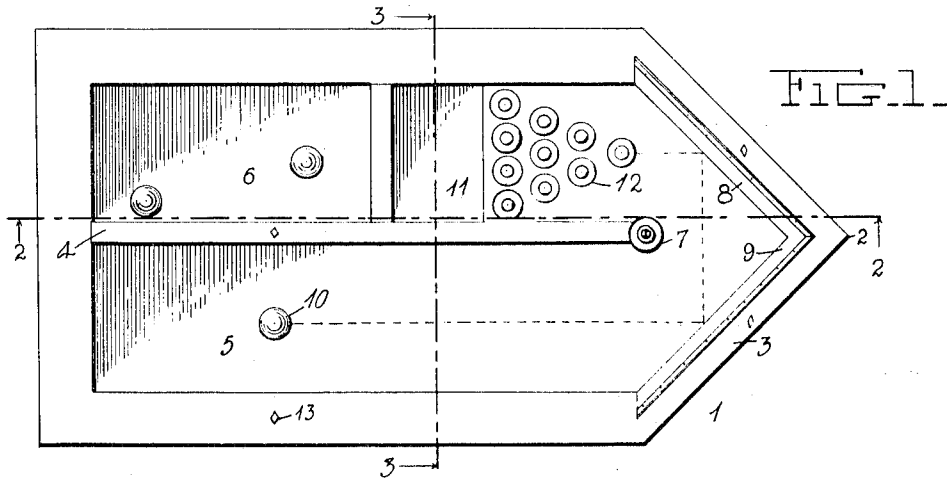


FIG. 2.

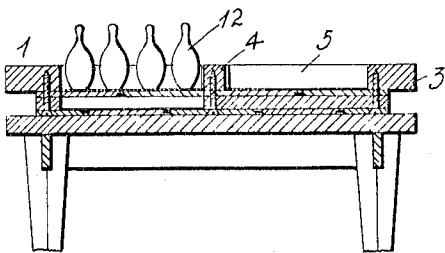
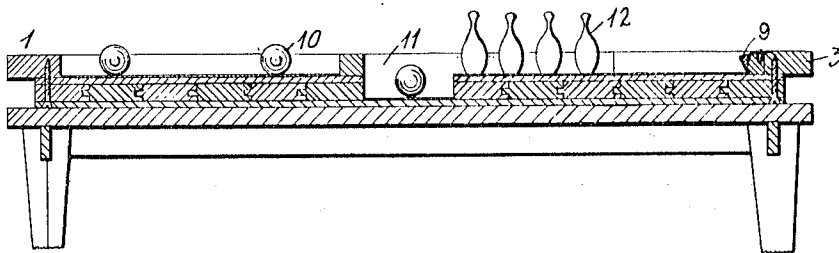
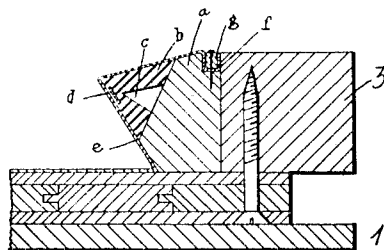


FIG. 3.

FIG. 4.



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UNITED STATES PATENT OFFICE.

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GAME APPARATUS.

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To all whom it may concern:

Be it known that we, GEORGE C. MILLER and WILLIAM J. BEATTIE, citizens of the United States, residing at Fitchburg, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Game Apparatus; and we do 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 improvements in game apparatus.

One object of the invention is to provide a game apparatus employing a rolling body adapted to be projected by a cue for the purpose of knocking down ten pins or the like by the rebounding of the body at the opposite end of the apparatus.

Another object is to provide a game apparatus of this character, the successful playing of which will require considerable skill and care and which will provide an interesting and amusing pastime.

With these and other objects in view the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings; Figure 1 is a plan view of our improved game apparatus; Fig. 2 is a vertical longitudinal section thereof taken on the line 2—2 of Fig. 1; Fig. 3 is a vertical cross section taken on the line 3—3 of Fig. 1. Fig. 4 is an enlarged detail cross section of a portion of the front end of the board showing more clearly the construction of the carom cushions arranged therein.

In the embodiment of the invention we provide a table 1 which may be of any suitable size and shape and constructed of any suitable material. One end of the table is preferably pointed as shown at 2. The upper surface of the table around its edges is raised above the central portion to form a surrounding upstanding rim or flange 3 and arranged longitudinally through the center of the table is an upwardly projecting rib 4 which separates the depressed portion of the table for the greater part of its length into two sides or alleys 5 and 6. The rib 4 terminates a suitable distance from the

pointed end of the table and is provided at this end with a cylindrical cushion 7 constructed of rubber or other suitable resilient material.

At the pointed end of the table are cushioning strips 8 and 9 arranged in V-shape as shown. The strips 8 and 9 preferably comprise an inner portion *a* formed of wood and an outer portion *b* formed of rubber. The rubber outer portion *b* of the strips is of substantially triangular form in cross section and is hollow and has therein a longitudinal V-shaped passage *c*. The rubber portion *b* of the strip is of considerably less width than the wooden portion *a* and the base of the rubber portion of the strip is secured to the upper portion of the inner side of the part *a* which is beveled or inclined to receive said rubber portion as clearly shown in Fig. 4 of the drawings. When thus arranged it will be seen that the outer rubber portion of the strip is disposed at an angle with its apex pointing inwardly and the lower portion of the inner side of the wooden part *a* of the strip is formed on the same angle as the inner or lower side of the rubber portion *b*. In the rubber portion *b* of the strip adjacent to its lower side and near the apex thereof is arranged a thin metal reinforcing strip *d* and the wood and rubber portions of the strip are covered by a continuation of the felt or cloth covering *e* of the board. The outer edge of the cloth covering after passing over the upper sides of the strips 8 and 9 is securely fastened in the recess *f* by locking strips *g* which are forced into the recesses as shown. The cloth or felt covering *e* is provided to deaden the noise or sound occasioned by the rolling of the balls and falling of the pins. The strips 8 and 9 when thus constructed and arranged are set into the inner edges of the upstanding rim at the pointed end of the table and form carom-cushions against which the balls are driven when playing the game.

In the side or alley 6 of the table near the inner end of the rib 4 is arranged a depression or recess 11 which forms a pocket and is designed to receive the ten-pins 12 when knocked down by the balls 10, said pins being set up in the form of a triangle in the alley 6 adjacent to the edge of the pocket 11 as shown. The table may be supported in

any suitable manner but is by preference designed to be placed on a library or dining table, billiard table or similar support.

In playing the game the ten pins are set up in the position described and the ball is placed in the alley 5 between the point indicated by the diamonds 13 and the adjacent end of the alley. The ball is now projected by a cue and, if accurately driven it strikes the apex of the outer rubber strip of the carom-cushion 8 at the opposite end of the alley 5 from whence, it rebounds or is deflected by the resiliency of the cushion 8 to the carom-cushion 9 at the end of the alley 6. Upon striking the cushion 9, the ball will rebound or be deflected into the outer end of the alley 6 toward the pins arranged therein. If the ball has been accurately played or driven the same will follow about the course indicated by the dotted line in Fig. 1 of the drawing. If however the ball has not been driven with accuracy and strikes the cushion 8 at a different point from that indicated, the ball may rebound against the cushion 7 on the end of the rib 4, or may be deflected in various directions with more or less successful results, as will be readily understood.

The number of pins down after three successive plays or balls makes the tally and the bowling is repeated until thirty balls have been played or projected which number completes one game. The pins when knocked down fall into the pocket 11 from which they are again set up. The balls after being played are rolled back down the alley 6. While we have described the preferred manner of playing the game it is obvious that the same may be modified in many respects or entirely different games played with the apparatus.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as claimed.

Having thus described our invention, what we claim is;

1. A game apparatus comprising a table provided around its edge with an upstand-

ing rim, a longitudinal rib arranged on the table to divide the same into longitudinally disposed alleys, carom-cushions arranged in V-form at one end of the table, a pocket arranged in one of said alleys, game pieces adapted to be set up in said alley adjacent to said pocket and a projectile adapted to be driven against one of said carom-cushions and to be deflected thereby against the other cushion, whereby the projectile is deflected against said game pieces.

2. A game apparatus comprising a table pointed at one end and having a surrounding upstanding rim, a central, longitudinally disposed rib extending to within a short distance of the pointed end of the table whereby the latter is divided into two longitudinally disposed alleys, a rounded cushion on the inner end of said rib, carom-cushions arranged in V-form and secured in the pointed end of the table beyond the cushioned inner end of the rib, and at the end of said alleys, a pocket in one of said alleys near said end of the rib, game pieces adapted to be set up in said alley adjacent to said pocket and a projectile adapted to be driven against one of said carom-cushions and to be deflected thereby against the other carom-cushion whereby the projectile is deflected against said game pieces to knock the latter down and into said pocket.

3. A game apparatus comprising a table pointed at one end, a rib extending to within a short distance of the pointed end of the table whereby the latter is divided into two longitudinally disposed alleys, a rounded cushion on the inner end of said rib, carom-cushions arranged in V-form and secured in the pointed end of the table beyond the cushioned inner end of the rib, game pieces adapted to be set up in one alley, and a projectile adapted to be driven against one of said carom-cushions and to be deflected thereby against the other carom-cushion whereby the projectile is deflected against said game pieces.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

GEORGE C. MILLER.
WILLIAM J. BEATTIE.

Witnesses:

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WILLARD L. HUMES.