

L. D. HASKELL.
AMUSEMENT DEVICE.
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1,282,418.

Patented Oct. 22, 1918.

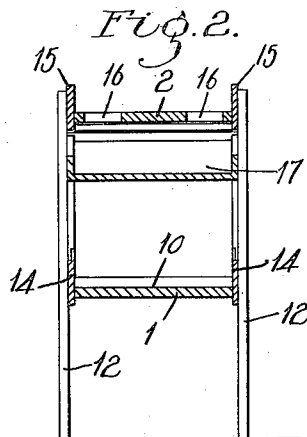
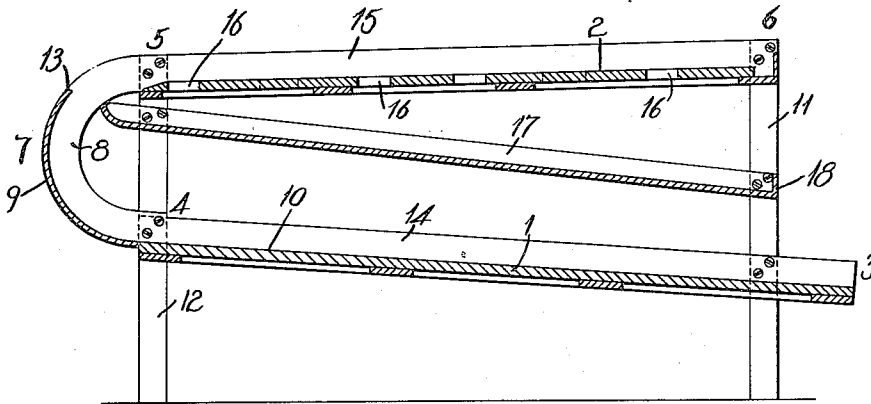
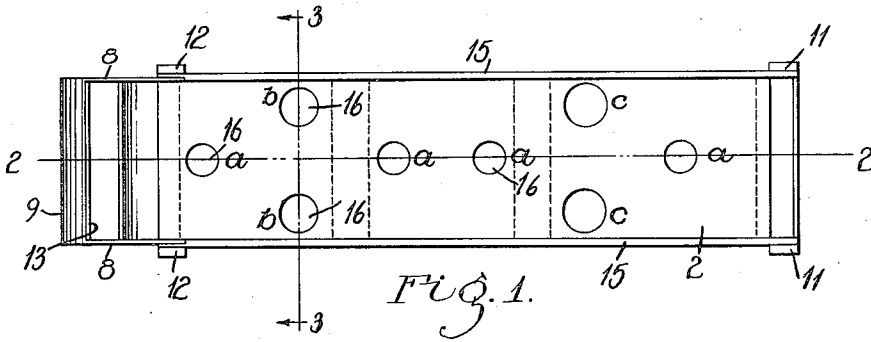


FIG. 3. Inventor:
Luther D. Haskell,
by his attorney, Charles J. Gooding.

UNITED STATES PATENT OFFICE.

LUTHER D. HASKELL, OF ESSEX, MASSACHUSETTS.

AMUSEMENT DEVICE.

1,282,418.

Specification of Letters Patent.

Patented Oct. 22, 1918.

Application filed July 30, 1917. Serial No. 153,394.

To all whom it may concern:

Be it known that I, LUTHER D. HASKELL, a citizen of the United States, residing at Essex, in the county of Essex and State of Massachusetts, have invented new and useful Improvements in Amusement Devices, of which the following is a specification.

This invention relates to improvements in amusement devices and has for its object to provide a very simple, inexpensive device consisting of two ball guiding members arranged in different planes and connected together by means adapted to divert a ball bowled along one of said members on to the other of said members, which other member is provided with a plurality of holes of different sizes in which the ball may be caught.

The holes in said last named member range from a size slightly larger than the ball to holes considerably larger than said ball and the object of the game is to bowl a ball with as much skill as possible along the first guiding member with force sufficient to carry it on to the second member and into the holes of smaller diameter, each hole of the series indicating a certain score, the smaller counting for more than the larger ones.

The invention consists in the combination and arrangement of parts set forth in the following specification and particularly pointed out in the claims.

Referring to the drawings:

Figure 1 is a plan view of a device embodying my invention.

Fig. 2 is a vertical longitudinal section taken on the line 2—2 of Fig. 1.

Fig. 3 is a transverse section taken on the line 3—3 of Fig. 1.

Like numerals refer to like parts in all views of the drawings.

In the drawings, 1 and 2 indicate a pair of ball guiding members, the ball guiding member 2 being preferably disposed directly above the ball guiding member 1 and these members are preferably divergently disposed, that is to say, the member 1, starting from a point 3, inclines upwardly toward the end 4 thereof and the end 5 of the member 2, which is directly above the end 4 of the member 1, inclines upwardly toward the end 6 of said member 2, which end 6 is above the end 3 of the member 1.

The ends 4 and 5 of the members 1 and 2 are connected together by a curved guide 7 consisting of side members 8, 8 and a bot-

tom member 9 forming a U. The guide members 1 and 2 are supported preferably by four supports, two of which 11, 11 are arranged upon opposite sides of the members 1 and 2 adjacent to the ends 3 and 6 thereof, while the other two members 12, 12 are arranged upon opposite sides of the members 1 and 2 and adjacent the ends 4 and 5 thereof.

To the supports 12 are attached the ends of the curved side plates 8, 8 of the ball guide 7. The bottom 9 of said guide forms a continuation of the upper surface 10 of the member 1 and extends upwardly for approximately three-quarters of the length of the curved guide 7, terminating at a point 13. The guiding member 1 is provided with side pieces 14, 14 which extend the entire length of said guiding member and aline with the side members 8 of the curved guide 7, said members 14 extending a substantial distance above the upper surface 10 of the member 1 so as to prevent a ball, which is bowled along said guiding member, from running off the side thereof.

The upper member 2 also has side pieces 15, 15 which perform the same function for the member 2 as do the side pieces 14 for the lower member 1. The upper guiding member 2 has a plurality of holes 16, 16 distributed throughout the length thereof which are adapted to receive a ball that is shot from the lower member 1 around the curved member 7 and on to the surface of the member 2. Directly beneath the member 2 and at a substantial distance above the member 1 is a chute 17 which is adapted to catch balls as they drop through the holes 16 or roll back along said guiding member 2 to the end 5 thereof and then drop to said chute 17, and this chute is directed downwardly from the end 5 of said member 2 toward the end 3 of the member 1 so as to return all balls dropping through the holes in the guiding member 2 to the starting end of the device.

A stop 18 is provided at the lower end of the chute 17 to prevent the balls from dropping off the end of said chute. The holes 16 in the member 2 may be arranged in various positions. One position, as shown in Fig. 1, consists of a row of holes *a*, *a* arranged lengthwise of the center portion of said member and these are preferably all of the same size. Between the first and second holes *a* is another pair of holes *b* arranged

upon opposite edges thereof and slightly larger in size than the holes *a* while in the upper end of the member 2 between the last two holes *a*, *a* and near the opposite edges of the member 2 are arranged holes *c*, *c* slightly larger than the holes *b*.

The operation of the device is as follows:

The ball, about the size of a tennis ball and preferably resilient, is bowled along the lower member 1 from the end 3 with force enough to send it against the curved guide member 7. This, in turn, directs it upwardly and over the upper surface of the guiding member 2. If the ball lands in one of the holes *a*, which are the smaller of the series, it will count for more than if it lands in one of the holes *b*, while the holes *b* count for slightly more than the holes *c*. If a ball enters one of the holes it will pass through said hole and land upon the chute 17 and roll downwardly thereon to a position against the stop 18 where it will rest in readiness to be again bowled along the guide member 1.

If a ball escapes all of said holes, it will roll along the upper surface of said member 2 until either its force is spent or it strikes the abutment at the end 6 of said member. The ball will then be returned, owing to the rearward inclination of said member 2 toward the end 5 thereof and if, during this movement, it again escapes the holes in said member 2 it will roll off said end 5 onto the upper end of the chute 17 which projects slightly beyond said member 2. Rolling down said chute, said ball strikes against the stop 18, which is within convenient reach of the player stationed at the end 3 of the guiding member 1.

Having thus specifically described my invention what I claim and desire by Letters Patent to secure is:

1. An amusement device having, in combination, a pair of ball guiding members arranged one above the other the upper member of said pair having a plurality of holes extending therethrough, means adapted to direct a ball along the first named ball guiding member upon the second named guiding member, and a chute disposed beneath said holes adapted to catch the balls passing through said holes and return said ball to its starting point.

2. An amusement device having, in combination, a pair of ball guiding members

arranged one above the other, one of said members having a plurality of holes extending therethrough, means for directing a ball from one of said guiding members to the other, an inclined chute disposed between said guiding members, adapted to catch the balls passing through said holes and direct the same to a point adjacent to the front end of the lower ball guiding member of said pair and a stop for said balls disposed transversely of the lower end of said chute.

3. An amusement device having, in combination, a pair of ball guiding members arranged one above the other, one of said members having a plurality of holes extending therethrough, means for directing a ball from the lowermost guiding member upwardly onto the upper guiding member, and a chute disposed between said guiding members, adapted to catch the balls from said upper guiding member and guide the same downwardly to a point above and adjacent to the starting end of said lowermost guiding member.

4. An amusement device having, in combination, an upwardly inclined ball guiding member, a second ball guiding member arranged above said first named guiding member and inclined upwardly from the upper end toward the forward end thereof, means for directing a ball from the upper end of said lowermost ball guiding member to the lower end of said uppermost ball guiding member, a chute arranged beneath the upper guiding member with one end of said chute projecting beyond the lower end of said upper guiding member, said chute inclining downwardly toward the front end of said lowermost guiding member and adapted to receive balls from said upper guiding member and return them to a point adjacent to the starting end of said lowermost guiding member, and means disposed transversely of the lower end of said chute, adapted to stop the balls passing down said chute.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LUTHER D. HASKELL.

Witnesses:

EDWARD W. LAKEMAN,
ADELE N. BARNES.