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**PATENT SPECIFICATION**

Application Date: July 21, 1934.

No. 21377/34.

**441,290**



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PROVISIONAL SPECIFICATION

**Improvements in Apparatus for Playing a Game**

We, BROOKES & ADAMS LIMITED, a Company organised under the Laws of Great Britain, of 250—252, Barr Street, Hockley, Birmingham 19, in the County of Warwick, and ARNOLD EDWIN BROOKES, a Subject of the King of Great Britain, of the Company's address, do hereby declare the nature of this invention to be as follows:—

10 This invention relates to apparatus for playing the game of table skittles, the apparatus being of the kind which includes a board or tray upon which the skittles can be placed, a rod placed in an erect position at the side of the board or tray, and a ball or the like suspended from the upper part of the rod so that it can be caused to swing around the rod for knocking over the skittles.

20 The object of the present invention is to provide an improved construction of such apparatus.

25 According to one part of the present invention the board and/or the skittles are produced as mouldings of synthetic resin.

30 The board may be moulded with a raised rim in which are holes for receiving scoring or marking pegs and these holes may be produced in the act of moulding the board.

35 The board may be moulded with an integral projection having a socket for receiving the lower end of the rod which is employed to support the ball.

40 The rod may be made in sectional lengths so that the apparatus may conveniently be packed and the sectional lengths may be connected together by means of one or more sleeves adapted to engage over the ends of adjacent sections and such sleeve may also be moulded in synthetic resin.

45 In one construction the board may be of circular tray-like form with a raised rim at the edge, and the holes for scoring pegs may be situated in the raised rim.

50 Within the rim is the body of the tray, and the centre part of this may be formed as a raised facing having a suitable number of small projections equally spaced

for receiving the lower ends of the skittles.

The raised facing may be square and the tray itself may be circular. The tray 55 may be moulded with an integral projection opposite one of the corners of the raised facing and this projection may be of somewhat hollow form and may terminate in an integral socket placed vertically with its upper end open. In 60 between this socket and the rim of the tray a further facing may be provided having holes for receiving the scoring pegs when the apparatus is not in use. 65

The under side of the body of the tray may be of somewhat hollow form and may be stiffened by providing integral ribs.

The rod may be made of wood or other material and may be made in sectional lengths. Near their ends the lengths may be of somewhat reduced diameter and may be joined together by providing a sleeve of moulded synthetic resin, the sleeve forming a socket for sliding on to the reduced portions of the adjacent rod sections. 70 75

At its lower end the rod is provided with a moulded ferrule adapted to fit into the socket part of the board. 80

At the top end of the rod a ball thrust bearing is provided which may be produced by two moulded caps and a sufficient number of steel balls.

The complete ball bearing may be retained in position by means of a wood screw and the upper part of the bearing may also have a radial arm to the end of which a flexible cord is tied. 85

The ball may be of spherical shape and may be moulded with a radial hole having an internal shoulder so that the lower end of the cord may be fixed therein by knotting the end thereof and then passing the cord through the hole until the knot engages the shoulder. 90 95

Each playing piece or skittle may be of somewhat barrel shape upon the exterior and is hollow so that its lower end can fit over one of the projections on the board or tray. The upper ends of the skittles may be closed and may be dome 100

shaped.

Alternatively, each playing piece or skittle may be of the same shape as that of a beer bottle but having a recess in the bottom so that it can fit over one of the projections on the board or tray.

Dated the 4th day of July, 1934.

FORRESTER, KETLEY & CO.,

Chartered Patent Agents,

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Birmingham 2, and

Jessel Chambers, 88/90, Chancery Lane,  
London, W.C.2.

## COMPLETE SPECIFICATION

### Improvements in Apparatus for Playing a Game

We, BROOKES & ADAMS LIMITED, a Company organised under the Laws of Great Britain, of 250—252, Barr Street, Hockley, Birmingham 19, in the County of Warwick, and ARNOLD EDWIN BROOKES, a Subject of the King of Great Britain, of the Company's address, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to apparatus for playing the game of table skittles, the apparatus being of the kind which includes a board or tray upon which the skittles can be placed, a rod placed in an erect position at the side of the board or tray, and a ball or the like suspended from the upper part of the rod so that it can be caused to swing around the rod for knocking over the skittles.

The object of the present invention is to provide an improved construction of such apparatus.

According to one part of the present invention the board is produced as a moulding of mouldable material such as synthetic resin and has an integral raised rim extending therearound and a portion formed or provided with means for mounting the lower end of the rod for supporting the ball.

Alternatively the invention provides apparatus for playing the game of table skittles wherein the board is formed from mouldable material with an integral raised peripheral rim extending therearound and at one side thereof an integral projection having a socket for receiving the lower end of the rod for supporting the ball.

The rim may be of inverted channel section and is provided with holes for scoring or marking pegs.

The rod may be made in sectional lengths so that the apparatus may conveniently be packed and the sectional lengths may be connected together by means of one or more sleeves adapted to

engage over the ends of adjacent sections, and such sleeve may also be moulded in synthetic resin.

In order that our invention may be clearly understood and more readily carried into practice, we have appended hereunto one sheet of drawings illustrating the same, wherein:—

Figure 1 is a sectional elevation of one construction according to this invention.

Figure 2 is a perspective view of the board.

Figure 3 is an underside plan view of same.

In the construction illustrated in the accompanying drawings, the board 5 is of circular tray-like form with a substantially flat central platform or base 6 and a raised peripheral rim 7 which extends first upwardly from the flat base and then downwardly to the plane of the underside of the base.

Around the top of the rim 7, holes 8 are formed for the reception of scoring or marking pegs indicated diagrammatically at 9, and these holes are preferably formed during the initial moulding operation.

The centre portion or platform 6 is of square shape in the construction illustrated, but may be of any other form in plan if desired, and upon this platform are small projections or bosses 10 which are equally spaced and distributed in a manner corresponding with the normal distribution or arrangement of skittles in a game of the kind referred to.

The skittles 11 are of hollow tubular form and may be formed from rubber or from mouldable material such as synthetic resin, these skittles being symmetrical about the centre of the length, so that they can be arranged either end uppermost upon the platform 6.

Each skittle is located upon the platform by engaging one end over one of the projections or bosses 10, these latter fitting closely within the cylindrical bore through the skittles.

The board is moulded with an integral

extension or projection 12 at one side and opposite to one corner of the square platform 6, this projection also being of hollow form and terminating in a hollow integral socket 13 arranged vertically with its upper end open.

Between this socket and the rim 7 is a facing or elongated boss 14 formed with holes 15 for receiving the scoring or marking pegs when the apparatus is not in use.

The underside of the board is of hollow form and is stiffened and strengthened by means of integral ribs 16 and 17.

The socket 13 is adapted to receive the end of a rod 18 formed from wood or other suitable material and constructed in lengths adapted to be connected end to end by means of one or more connecting sleeves 19.

In the construction illustrated the rod is formed in two sections joined by a single sleeve 19, but the rod may be sectionalised in any convenient manner.

The meeting ends of the two sections of the rod are reduced in diameter as at 20, and this reduced end engages telescopically within one end of the sleeve 19 until the end of the sleeve abuts against the shoulder 21 at the junction between the portion 20 of the rod and the remaining part of the rod.

The sleeve 19 may be formed from synthetic resin or similar material by a moulding operation.

The end of the rod adapted for engagement in the socket 13 is also reduced in diameter and a moulded ferrule 22 is secured upon this reduced end by means of a screw, this ferrule being adapted to fit into the socket 13 to retain the rod rigidly in a position projecting perpendicularly from the plane of the board.

At the top of the rod is a ball thrust bearing including a lower race 23 secured to the top of the rod, and a cap 24 retained in position upon the rod by means of a screw 25, the balls 26 being located in annular grooves formed in the two parts 23 and 24.

The race 23 and the cap 24 are formed from material such as synthetic resin by a moulding operation, and the latter part is provided with a radially projecting arm or lug 27 apertured to receive the end of the flexible cord 28 at the lower end of which is attached the ball 29.

The ball is formed from mouldable material and has a radial hole 30 within which the knotted end of the cord is secured by means of a fastening device 31.

In the construction illustrated the skittles are of somewhat barrel form and open at each end, but may be of any other shape and may be solid with a

recess at one end to fit over one of the projections 20.

In a still further alternative, each skittle may be of shape somewhat similar to that of a beer bottle, but having a recess in the base to fit over one of the projections in the board.

On the underside of the board small feet 32 of rubber, cork or other suitable material are inserted in openings moulded in bosses or portions on the underside of the board.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. Apparatus for playing the game of table skittles, wherein the board is produced as a moulding of mouldable material such as synthetic resin and has an integral raised rim extending there-around and a portion formed or provided with means for mounting the lower end of the rod for supporting the ball.

2. Apparatus for playing the game of table skittles wherein the board is formed from mouldable material with an integral raised peripheral rim extending there-around and at one side thereof an integral projection having a socket for receiving the lower end of the rod for supporting the ball.

3. Apparatus according to Claim 1 or 2, wherein the raised rim is of inverted channel section and is provided with holes for scoring or marking pegs.

4. Apparatus according to Claim 1, wherein the board is moulded with an integral projection having a socket for receiving the lower end of the rod employed for supporting the ball.

5. Apparatus according to any of the preceding Claims, wherein the board is moulded with a raised platform or base within the peripheral rim, integral projections being formed on said platform or base for locating the lower ends of the skittles.

6. Apparatus according to Claim 5, wherein the skittles are each of hollow form open at one or each end to engage over one of the projections on the platform or base of the board.

7. Apparatus according to any of the preceding Claims, wherein the rod is made in sectional lengths adapted to be connected together by means of a sleeve or sleeves moulded from synthetic resin or the like.

8. Apparatus according to Claim 2 or 4, wherein a facing or boss is provided on the projection or extension, said facing or boss having holes for receiving the scoring or marking pegs when the appara-

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tus is not in use.

9. Apparatus according to Claim 2 or 4, wherein the socket is of inverted part conical form, and a ferrule of moulded material is provided on the end of the rod to engage in said socket.

10. Apparatus for playing the game of table skittles, substantially as described and as shown in the accompanying drawings.

Dated the 15th day of June, 1935.

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[This Drawing is a reproduction of the Original on a reduced scale.]

FIG. 2.

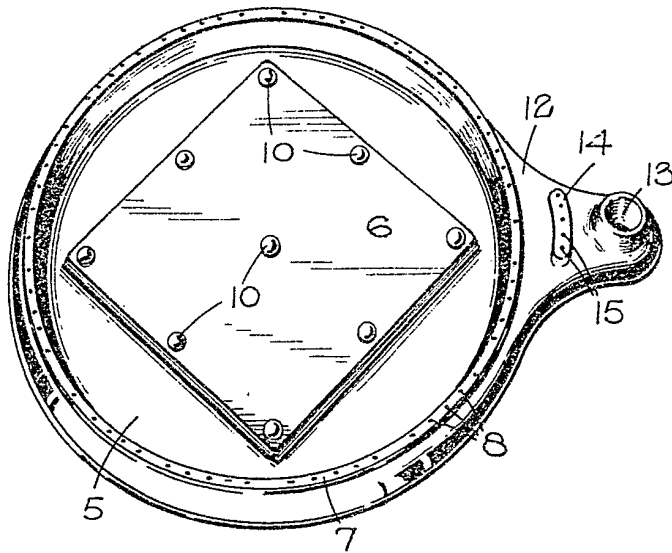


FIG. 3.

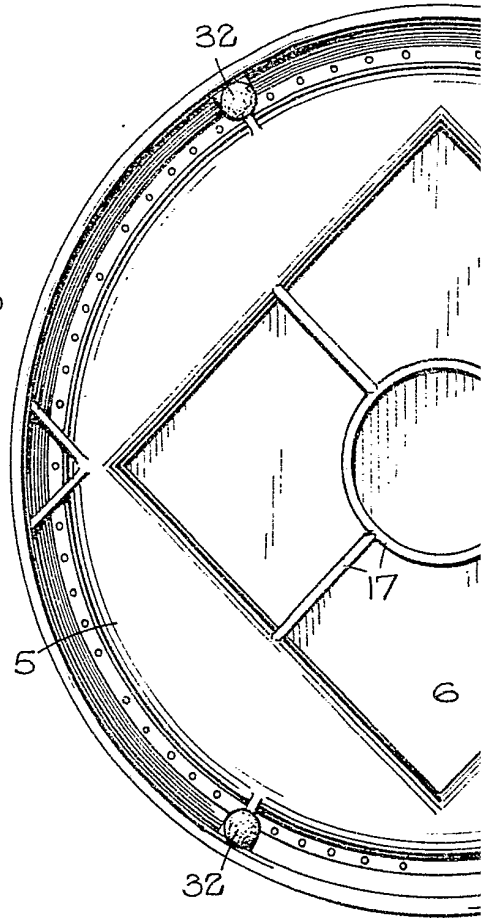


FIG. 1.

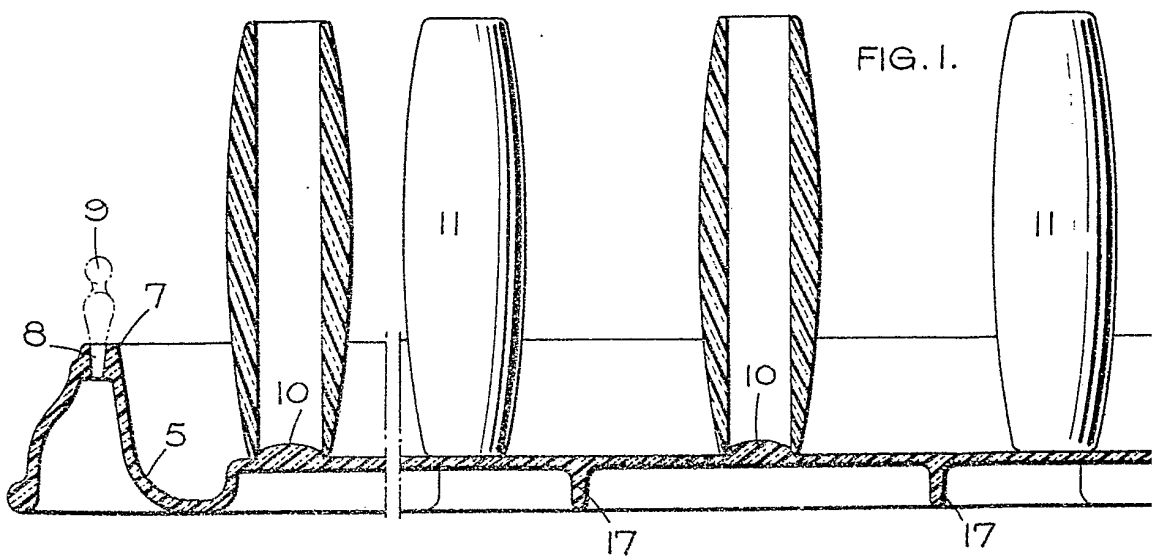


FIG. 3.

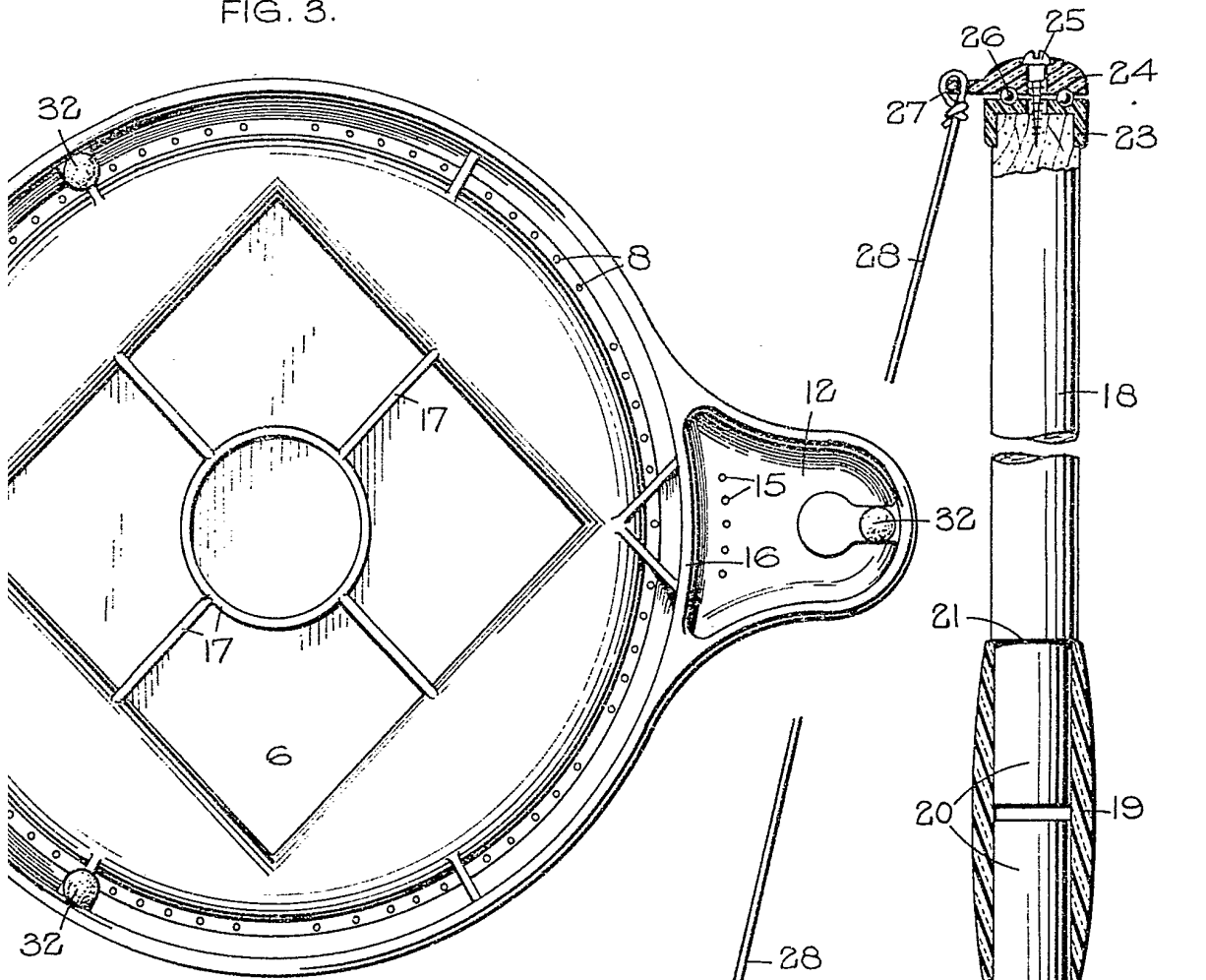
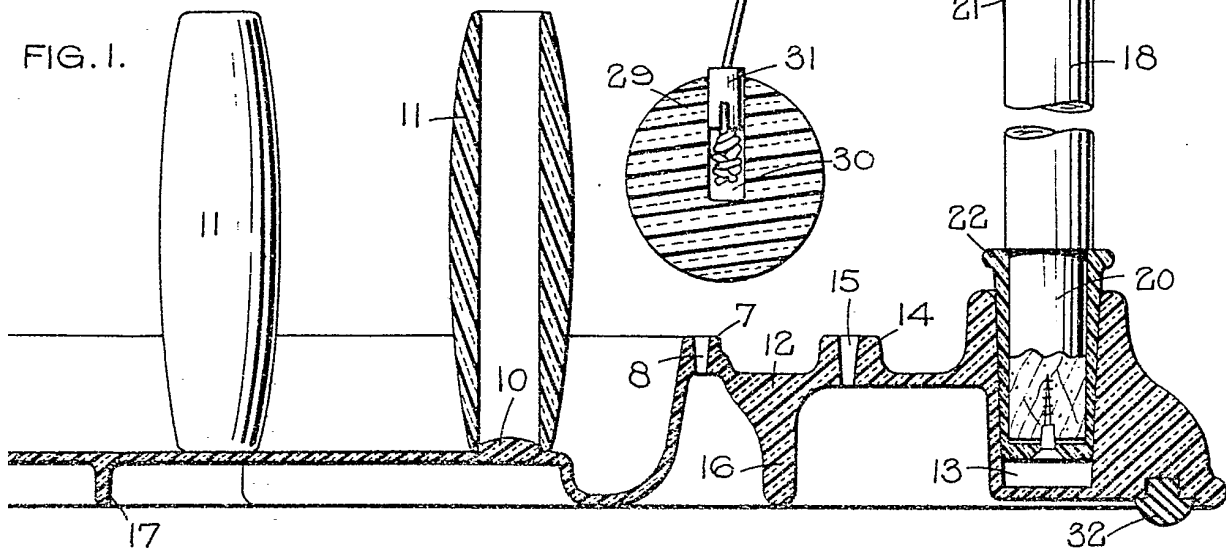
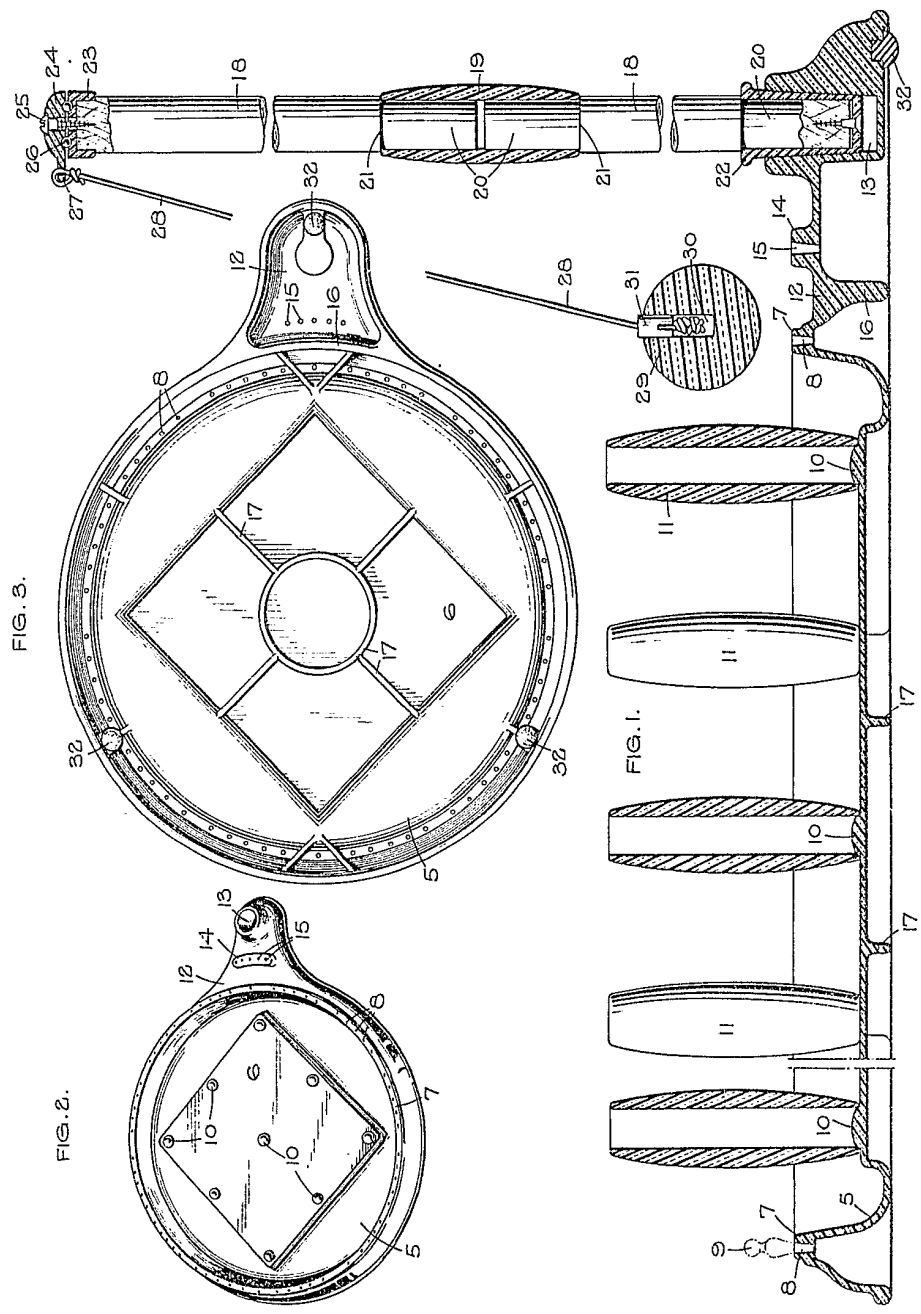


FIG. 1.





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