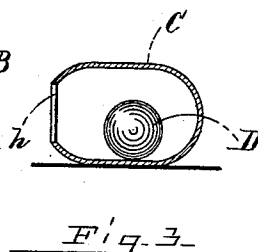
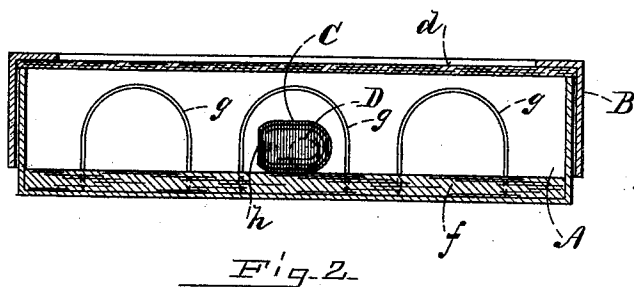
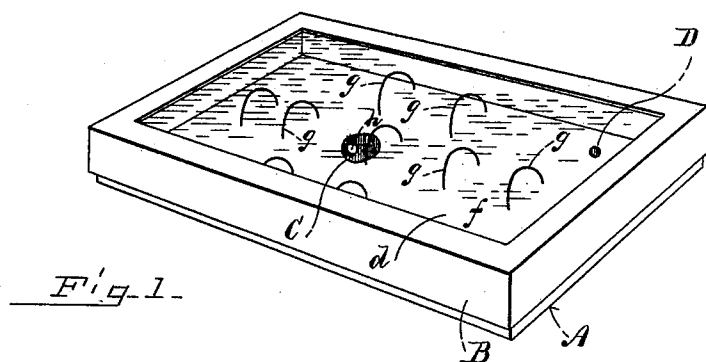


(No Model.)

H. C. GUERTIN.
PUZZLE.

No. 479,418.

Patented July 26, 1892.



WITNESSES:
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UNITED STATES PATENT OFFICE.

HENRY C. GUERTIN, OF WINCHENDON, MASSACHUSETTS.

PUZZLE.

SPECIFICATION forming part of Letters Patent No. 479,418, dated July 26, 1892.

Application filed September 18, 1891. Serial No. 406,085. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. GUERTIN, of Winchendon, in the county of Worcester, State of Massachusetts, have invented certain new and useful Improvements in Puzzles, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of my improved puzzle. Fig. 2 is a vertical transverse section of the same, and Fig. 3 a sectional view illustrating details.

Like letters of reference indicate corresponding parts in the different figures of the drawings.

My invention relates especially to that class of games or puzzles in which manual expertness is employed in its solution; and it consists in certain novel features hereinafter fully set forth and claimed, the object being to produce a simpler, cheaper, and more effective device of this character than is now in ordinary use.

In the drawings, A represents a rectangular box, which is provided with a cover B, having a transparent top *d*, through which the interior of the box can be seen. In the bottom *f* within the box are secured a series of hoops *g*, arranged in position corresponding to that employed in the ordinary game of croquet. A hollow metallic receptacle C, circular in cross-section and preferably oval in plan view, is provided in one end with a mouth or opening *h* of a size suitable to receive a ball D.

In solving the puzzle the ball and recepta-

cle C are placed independently in the box, which is closed by the cover B. The peculiar form of the receiver C will enable it to roll freely on the bottom *f* of the box and be tilted longitudinally by the corresponding movements of said box.

The solution of the game consists in driving the ball D into the mouth *h* of the receptacle C by such movements of the box and then causing said receptacle to roll through all the hoops *g* without displacing said ball, all of which process is to be accomplished by varying the movements of the box A in the hands of the player.

The hoops *g* may be substituted by other devices which will slightly obstruct the working of the receptacle within the box, if desired, the primary feature of the solution of the puzzle being to dispose the ball D within the hollow body C and roll said body through a determined obstructed course without displacing the ball.

Having thus explained my invention, what I claim is—

1. A puzzle comprising a box or similar body provided with points of obstruction on its bottom, a hollow body adapted to roll on said bottom and provided with a mouth or opening, and a ball of a size suitable to enter said mouth, substantially as specified.

2. A box having a series of vertical hoops or loops, as *g*, disposed therein, in combination with the hollow body C, having the mouth *h*, and ball D, substantially as set forth.

HENRY C. GUERTIN.

Witnesses:

WALTER BOYCE,
R. D. CRAIN.