No. 796,427. PATENTED AUG. 8, 1905.

E. C. HOWLAND.

PUZZLE.

APPLICATION FILED FEB. 20, 1905.

Fig. 1.

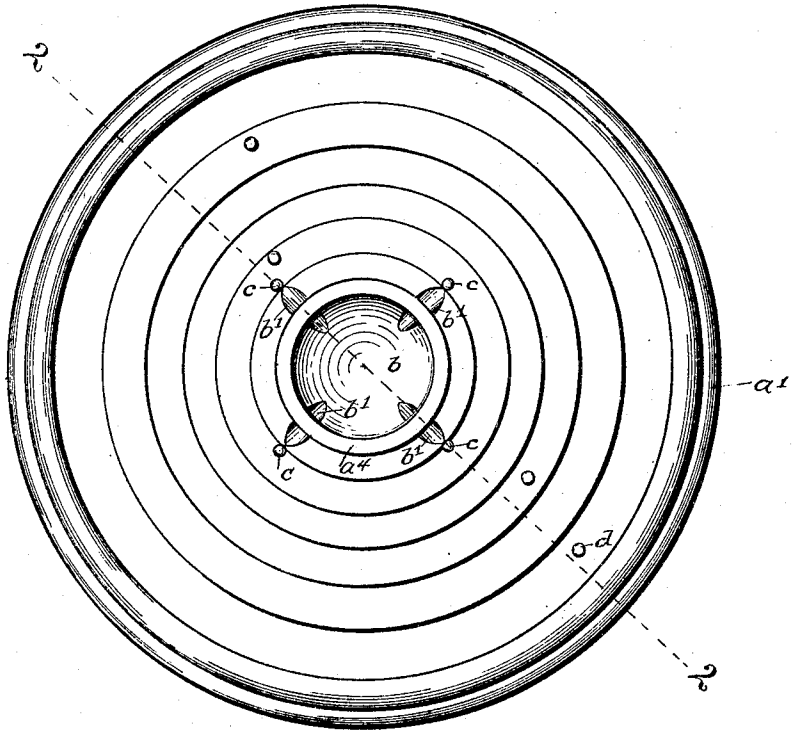
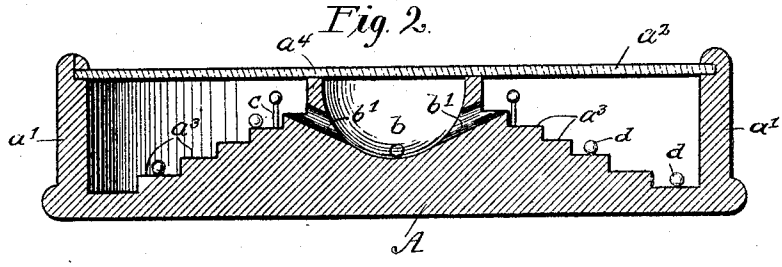


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

EDWARD CLYDE HOWLAND, OF NEW MILFORD, CONNECTICUT.

PUZZLE.

No. 796,427. Specification of Letters Patent. Patented Aug. 8, 1905.

Application filed February 20, 1905. Serial No. 246,392.

To all whom it may concern:

Be it known that I, EDWARD CLYDE HOWLAND, a citizen of the United States, residing at New Milford, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Puzzles, of which the following is a specification.

This invention relates to improvements in puzzles; and it consists, essentially, of a cylindrical box having a bottom formed with a series of annular steps which lead up to a central chamber which is inclosed by a wall except for certain passages which communicate therewith from the upper step; and it consists, further, of a series of balls or shot and of pins placed at the mouth of the passages to said central chamber to impede the entrance of the balls.

The object to be attained in the operation of the puzzle is to get the several shot into the central chamber.

In the accompanying drawings, Figure 1 is a top plan view showing my puzzle device in approved form, and Fig. 2 is a cross-section of same on the line 2 2 of Fig. 1.

Referring to the drawings in details, A represents the base or bottom of my puzzle device, which is circular in form and from which extends around its periphery a vertical wall a', in which is secured a glass cover a^2. The inner surface of the base of the box is formed into a series of concentric steps a^3, which terminate at the top in an annular wall or ring a^4, which surrounds a hemispherical recess b, formed in the base. Communicating with the interior of this recess and perforating the said wall a^4 are a series of passages b', which are inclined downwardly from the uppermost step. At the entrance of each of these passages a pin c is fixed in a step and serves as a guard for such passages and adds to the difficulty of getting the shot d into the passages, and hence into the chamber b, which in practice will be designated the "fort." A number of shot d or "soldiers" will be supplied, and the object is to get all of them into the fort through the passage-ways b'. While I have shown the pins c only at the entrance to a passage, it will be apparent that such pins may be placed at other points on the base of the puzzle, and thus render more difficult the solving or working of the puzzle.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A puzzle consisting of a box having its bottom or base formed in a series of concentric steps leading from the lowest point in the bottom of the box to a central recess formed in the upper part of the bottom of the box, and having a series of passage-ways communicating with the interior of said recess, in combination with a plurality of balls adapted to be introduced into said recess through said passage-ways.

2. A puzzle consisting of a cylindrical box having a glass top or cover and having its bottom formed in a series of concentric steps leading from the lowest point in the bottom of the box to a central hemispherical chamber or recess formed in the body portion of said bottom, and having a series of inclined passage-ways communicating with the interior of said recess or chamber, in combination with a plurality of pins fixed in said steps, and a plurality of shot adapted to move freely on the bottom of said box and to be introduced into said recess through said passage-ways.

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD CLYDE HOWLAND.

Witnesses:
J. H. MOREHOUSE,
W. H. OSBORNE.