

No. 622,468.

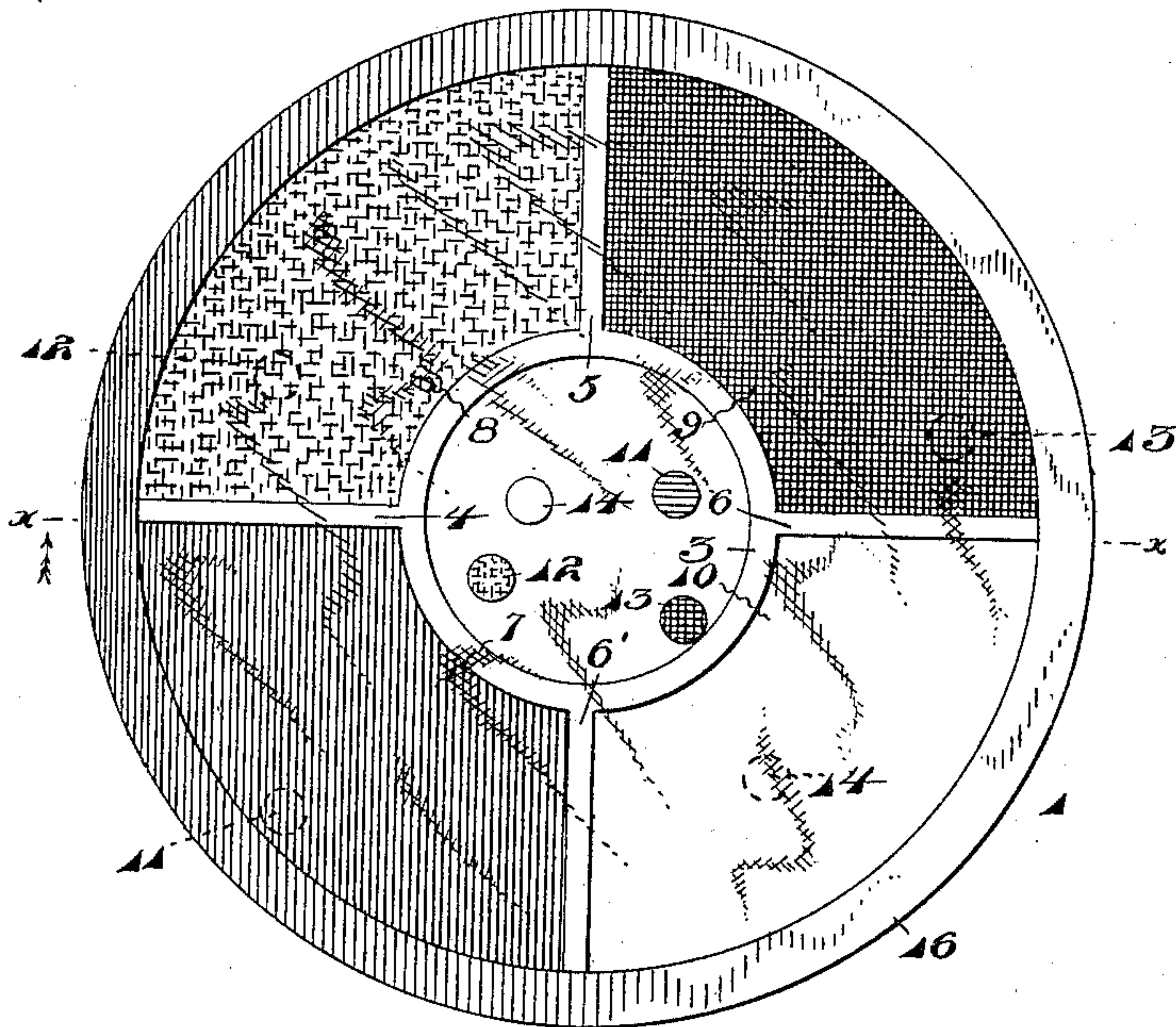
Patented Apr. 4, 1899.

H. W. HINES.  
PUZZLE.

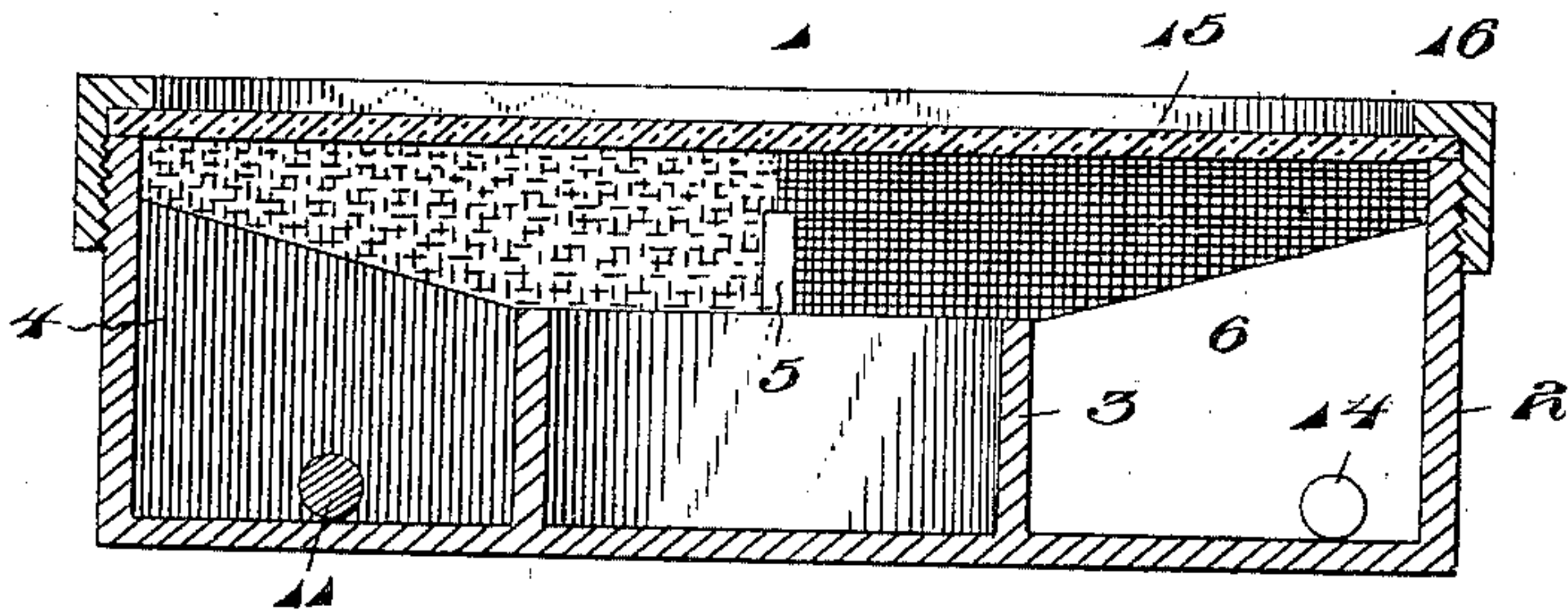
(Application filed Nov. 26, 1898.)

(No Model.)

*Fig. 1.*



*Fig. 2.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY W. HINES, OF PITTSBURG, PENNSYLVANIA.

## PUZZLE.

SPECIFICATION forming part of Letters Patent No. 622,468, dated April 4, 1899.

Application filed November 26, 1898. Serial No. 697,502. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY W. HINES, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Puzzles, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain new and useful improvements in puzzles.

The object of my invention is to provide a puzzle which will be amusing and which will require great skill and ingenuity to obtain its solution.

Briefly described, my invention consists of a series of cells mounted in a circular box and a series of different-colored balls adapted to be placed in their respective cells, which will be hereinafter described.

My invention finally consists in the novel combination and arrangement of parts hereinafter more fully described, and particularly pointed out in the claim.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, wherein like numerals of reference indicate corresponding parts throughout both views thereof, and in which—

Figure 1 is a top plan view of my improved puzzle. Fig. 2 is a cross-sectional view thereof, taken on the line *xx* of Fig. 1.

Referring to the drawings by reference-numerals, 1 indicates a box or casing formed of any suitable material, having a circular wall 2 and an inner circular wall 3, of less height than the outer wall 2.

4 5 6 6' indicate partitions which are arranged in the box, as shown, dividing the same into four auxiliary cells 7 8 9 10. These cells are of different colors, as shown.

11 12 13 14 indicate the balls or marbles,

which are colored to coincide with the colors of the different cells.

15 indicates a suitable glass cover which is arranged over the top of the box and is secured in position by means of the angular ring 16, which may be secured to the sides of the box or casing by gluing or, as shown in the drawings, screw-threaded to mesh with the threads formed on the sides of the box or casing.

It will be observed that the partitions 4 5 6 6' are inclined on the upper edge, and they do not extend the entire depth of the box.

The operation of my improved device is as follows: The four balls are placed in the central cell, and the object is by jumping or tilting or jerking the box to throw each ball into its respective cell.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

In a puzzle, the combination of a box or casing, a circular wall arranged therein forming a central cell, said circular wall being of less height than the side of the box or casing, a series of partitions of less height than the wall of the box or casing and of greater height at their outer end than at their inner end, said portions being connected to the inner face of the casing and the outer face of the central wall dividing the said box or casing into a series of cells, substantially as shown and described.

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

HENRY W. HINES.

Witnesses:

JOHN NOLAND,  
E. W. ARTHUR.