

No. 898,342.

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C. H. DREHER.
PUZZLE.

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Fig 1.

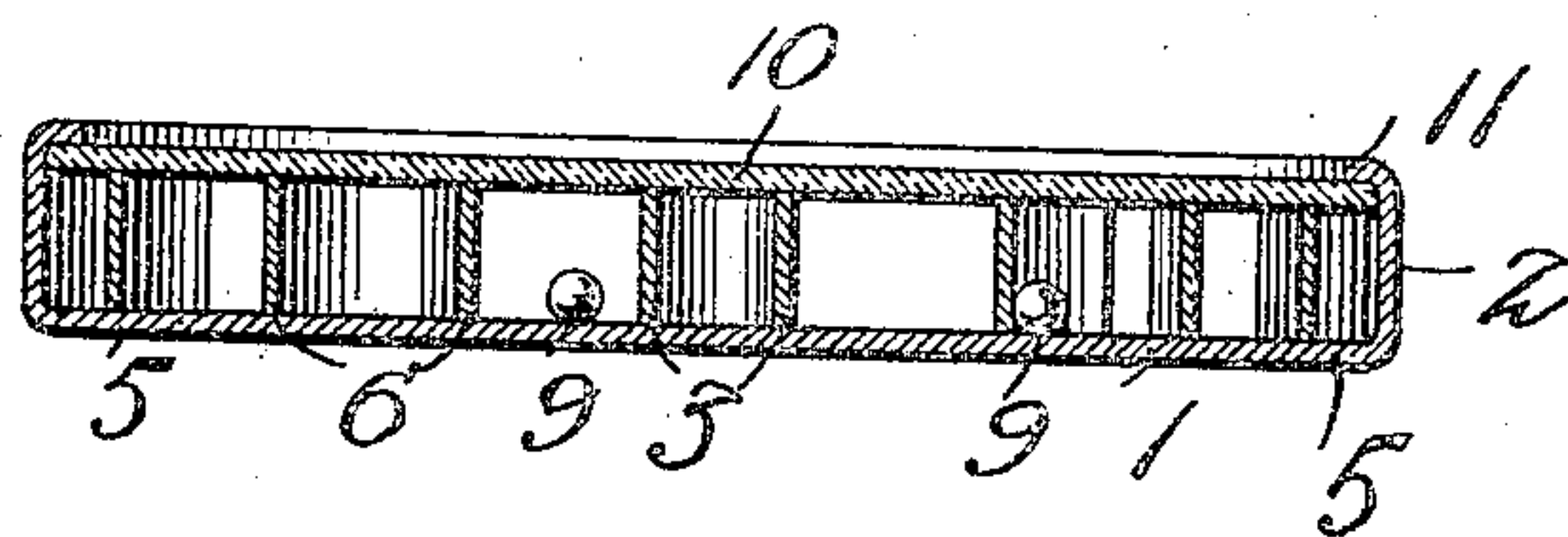
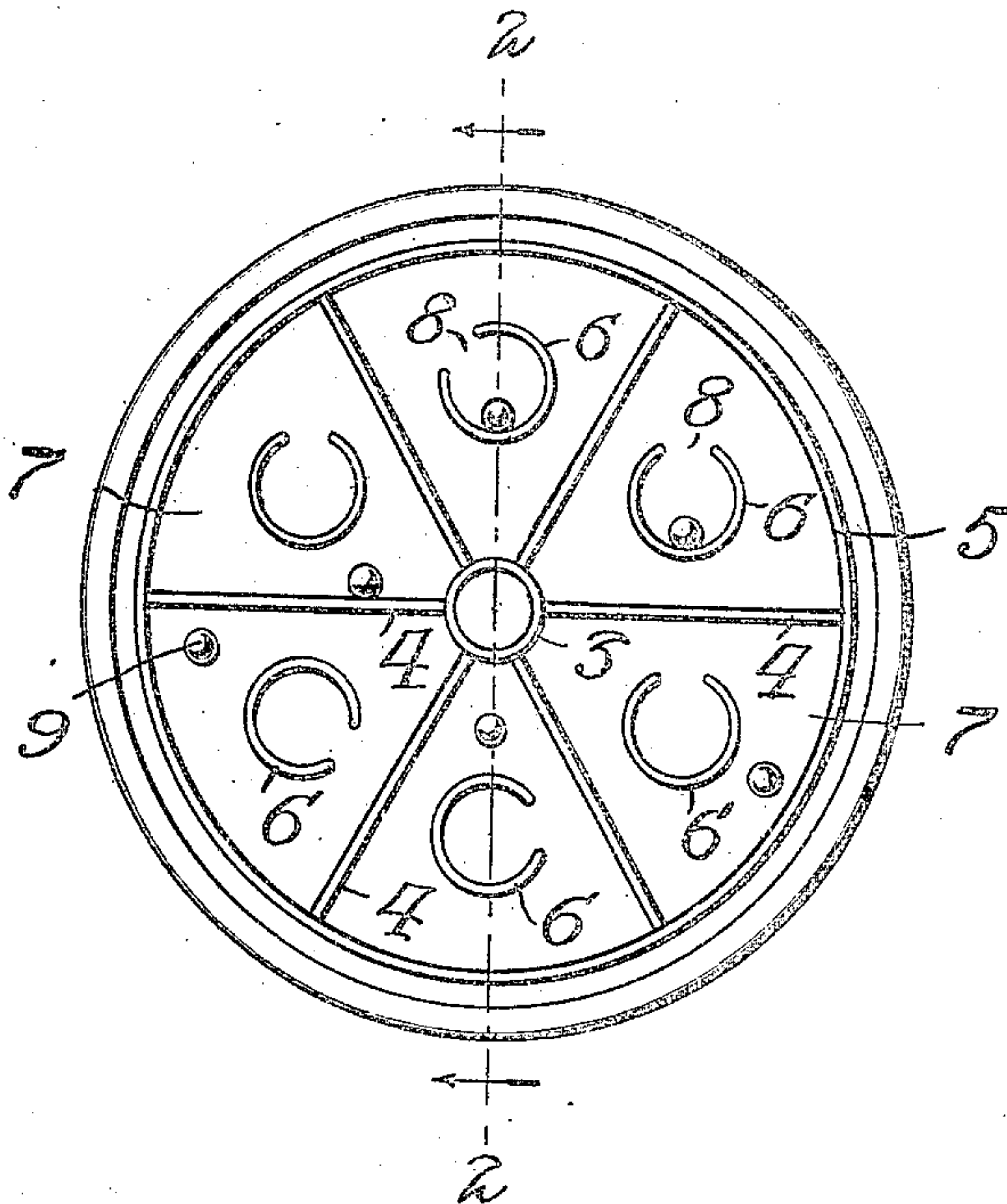


Fig 2

Witnesses

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PUZZLE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CLARENCE H. DREHER, a citizen of the United States, residing at Stroudsburg, in the county of Monroe and State of Pennsylvania, have invented new and useful Improvements in Puzzles, of which the following is a specification.

My invention relates to puzzles, and its primary object is to provide a device of this character which shall be highly amusing as well as difficult to solve, which is simple and durable, and which can be manufactured and sold at a comparatively low cost.

With the above and other objects in view, the invention consists in the construction, combination and arrangement of parts hereinafter fully described, claimed and illustrated in the accompanying drawing, wherein:

Figure 1 is a top plan view of a puzzle constructed in accordance with my invention, and Fig. 2 is a vertical section taken on the plane indicated by the line 2—2 of Fig. 1.

Referring to the drawing by reference numerals, 1 designates the bottom, and 2. the side of a receptacle which can be of any suitable shape, and which is preferably constructed of sheet metal, such as tin, aluminum or the like.

An annular member 3 is arranged centrally within the receptacle and is secured to and rises vertically from the bottom 1. Vertical partitions 4 are secured to the bottom 1 and extend radially from the annular member 3, said partitions terminating short of the side 2. An annular wall 5 is secured to and rises vertically from the bottom 1, said partition being arranged at the ends of the partitions 4 and concentrically with relation to the annular member 3.

This device is to be known as "The Ferris wheel puzzle", the annular member 3 representing the hub, the radial partitions 4, the spokes, and the wall 5, the periphery, of the celebrated "Ferris wheel".

Pockets 6 are secured to the bottom 1 within the compartments 7 which are formed by the partitions 4, and represent the seats or baskets of a "Ferris wheel". The pockets or "seats" 6 are provided with entrances 8, which are arranged at different angles with relation to the axis of the "wheel", so as to

render the puzzle difficult of solution and so as to simulate the different positions the "seats" assume during the revolution of the "wheel". Spherical bodies 9 are located within the compartments 7 and are adapted to represent passengers, all of whom must be placed in the "seats" to solve the puzzle.

The spherical bodies 9 are confined within the compartments 7 by means of a glass panel 10 which rests upon the annular member 3 wall 5 and the partitions 4. The panel 10 is secured in applied position by a flange 11 which is formed by bending the edge of the side 2 downwardly and inwardly.

To solve the puzzle, the device must be manipulated so as to direct each spherical body or "passenger" in each of the pockets or "seats" 6. In view of the fact that the entrances to the pockets or "seats" 6 are arranged at different angles with relation to the axis of the "wheel", it should be apparent that it requires a high degree of skill to solve the puzzle, and that the puzzle is highly amusing, as well as difficult of solution.

From the foregoing description taken in connection with the accompanying drawing, the construction and mode of operation of the invention should be understood without a further extended description.

Changes in the form, proportions and minor details of construction may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

Having fully described and illustrated my invention, what I claim is:

A puzzle comprising a receptacle having a circular wall, partitions dividing the space inclosed by said wall into a plurality of non-communicating compartments, a pocket in each compartment free from the walls thereof, and balls, one in each compartment, adapted to be entered into the respective pockets.

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

CLARENCE H. DREHER.

Witnesses:

C. L. DRAKE,
OSCAR DREHER.