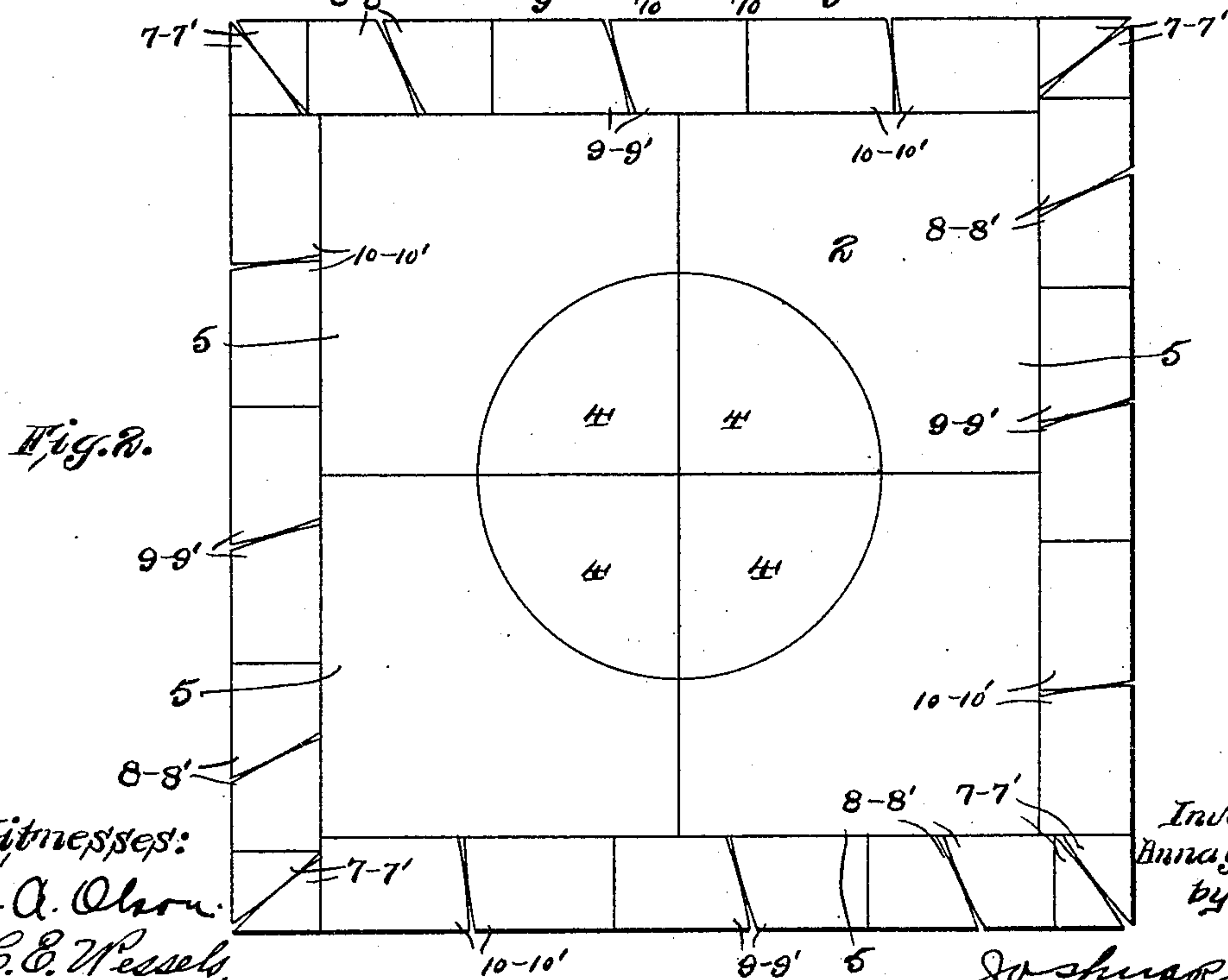
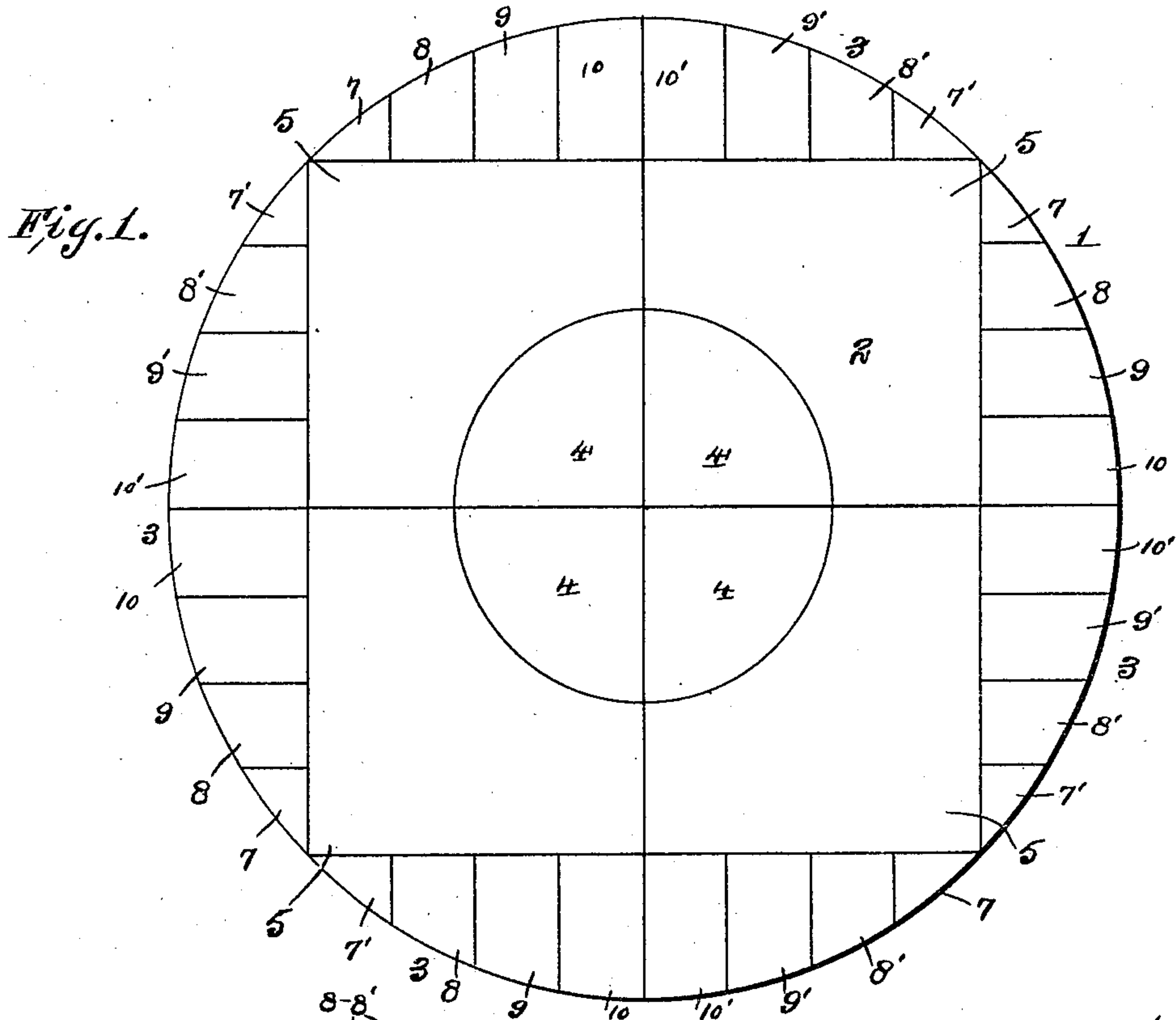


A. GARLAND.
PUZZLE.

APPLICATION FILED SEPT. 2, 1909.

944,130.

Patented Dec. 21, 1909.



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ANNA GARLAND, OF CHICAGO, ILLINOIS.

PUZZLE.

944,130.

Specification of Letters Patent.

Patented Dec. 21, 1909.

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To all whom it may concern:

Be it known that I, ANNA GARLAND, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented a certain new and Improved Puzzle, of which the following is a specification.

My invention relates to puzzles and more specifically to that class thereof in which the solution of the problem involved resides in the particular arrangement or assemblage of cards of irregular contour.

The object of my invention is the provision of a puzzle of the character mentioned in which the problem involved will reside in the rearrangement of the sections or pieces comprising a circle in such a manner that the same will form a square; a further object being to provide a puzzle which will be both entertaining and educational.

Other objects will appear hereinafter.

With these objects in view my invention consists in a puzzle characterized as above mentioned and in certain details of construction which will be hereinafter fully described and particularly pointed out in the appended claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a plan view of the cards or pieces comprising my puzzle arranged in the form of a circle, and Fig. 2 is a similar view showing the pieces arranged in the form of a square.

Referring now to the drawings, particularly to Fig. 1, the circular disk 1 therein shown is comprised generally of an inner sectional square portion 2 and four similar sectional segmental portions 3 arranged about the four sides or edges of the square 2. Comprised in the portion 2 are four sectional rectangular portions each formed of an inner portion 4 quadrant-sector in form, the four sections 4 forming a complete circular disk, and four incomplete rectangular members 5 surrounding the sections 4. However, the number of sections into which the portion 2 is divided and the precise design of the comprising portions thereof is evidently not material, hence I do not wish to be limited to the particular design shown, but consider myself at liberty to divide said portion in any other manner desired.

Each of the segmental portions 3 is divided into eight sections or portions the base or inner edges of all of which are equal, the contiguous or longitudinal edges of said sections being disposed perpendicularly to said base edges. By such division it will be observed that each segment will be divided into two sets of equal and similar sections, in other words the sections 7 and 7' will be equal and similar as will also sections 8 and 8', 9 and 9' and 10 and 10'.

By arranging the corresponding sections 7 and 7', 8 and 8', etc., about the peripheral edge of the portion 2 with their curved edges in close proximity and with one of the longitudinal edges of each adjacent the peripheral edge of the portion 2, as shown in Fig. 2, it will be found that the same will completely surround the portion 2 forming a complete square of enlarged dimensions, hence the disk shown in Fig. 1 may be transformed to a square as shown in Fig. 2.

If desired, the comprising sections or pieces of the puzzle may be decorated upon their outer surfaces with printed matter, or may be left perfectly plain as shown, such provision not being essential.

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

1. In a puzzle, the combination of a plurality of flat pieces of irregular contour adapted to be fitted together to form a continuous flat body either circular or square in contour, said pieces when fitted together to form a circular body being arranged into an inner square portion and outer segmental portions arranged about the peripheral edges of said square portion, all of said segmental portions being identical, each being formed of an even number of sections, the base or inner edges of which are equal and the contiguous edges thereof disposed perpendicularly to said base edges, said sections being adapted to be arranged about the peripheral edges of said square portion with their curved edges adjacently arranged to form the square body.

2. In a puzzle, the combination of a plurality of flat pieces of irregular contour adapted to be fitted together to form a continuous flat body either circular or square in contour, said pieces when fitted together to form a circular body being arranged into an inner square portion and equal outer seg-

mental portions arranged about the peripheral edges of said square portion, each of said segmental portions being formed of eight sections the inner or base edges of
5. which are equal and the contiguous edges thereof disposed perpendicularly to said base edges.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ANNA GARLAND.

Witnesses:

JANET E. HOGAN,
JOSHUA R. H. POTTS.