C. J. KORTZ.

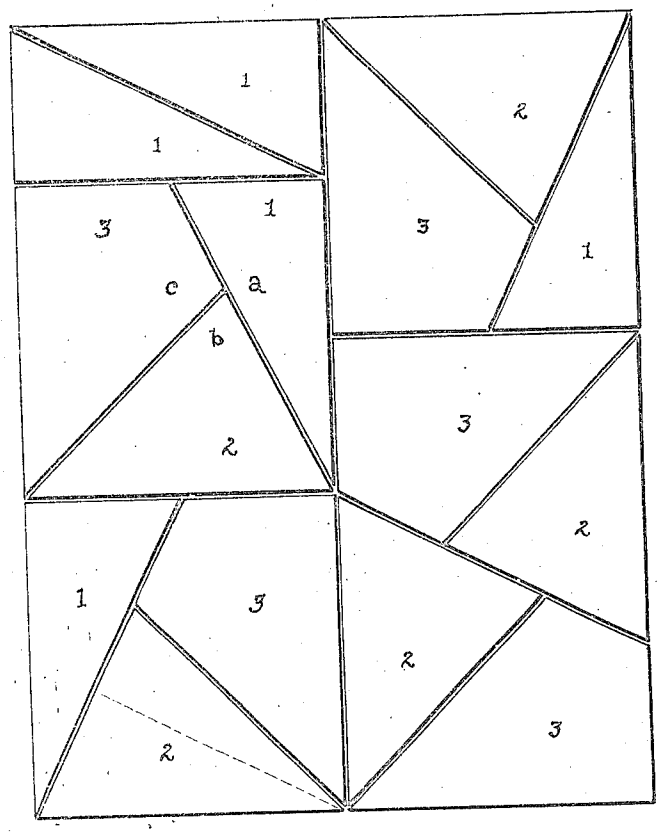
PUZZLE.

APPLICATION FILED JAN. 19, 1914.

1,165,980.

Patented Dec. 28, 1915.

Fig. 1



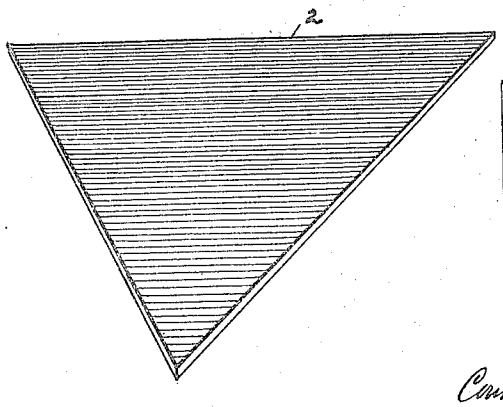


Fig. 2

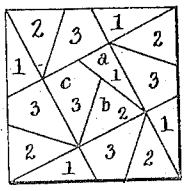


Fig. 3.

Attest

E. M. Fisher

J. C. Harrold.

Inventor

Conrad J. Kortz

By Fisher & Harrold Attys.

UNITED STATES PATENT OFFICE.

CONRAD J. KORTZ, OF CLEVELAND, OHIO.

PUZZLE.

1,165,980. Specification of Letters Patent. Patented Dec. 28, 1915.

Application filed January 19, 1914. Serial No. 812,930.

To all whom it may concern:

Be it known that I, CONRAD J. KORTZ, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Puzzles, of which the following is a specification.

This invention appertains to a puzzle, and the invention consists in a puzzle comprising a number of separate members or pieces of different shapes adapted to be laid together edgewise and form a rectangle, all substantially as shown and described and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a plain view of the puzzle showing the different elements assembled in a rectangular figure, and Fig. 2 is a perspective view of one of the cards or pieces alone. Fig. 3 is a view of the puzzle in the form of a square figure.

The solution or secret of the game lies in placing the cards or pieces together in such position or relation as to form either a rectangle or a perfect square.

As herein shown the figure is a rectangle comprising fifteen separate cards or pieces, which are shown herein as made of suitably stiff and heavy card-board, or the like, but they may be made of any other suitable material, heavy or light. Three different shapes or forms of cards are used, and five cards or pieces of each shape are necessary to the play, and the different forms thereof are indicated by 1, 2 and 3, respectively. The three pieces *a*, *b* and *c*, one from each series of five, when properly arranged as shown, furnish the key to the building-up of the puzzle into a rectangular or geometrical figure. The several cards or members 1 have the shape of right-angled triangles, the cards 2 are scalene triangles, and the cards 3 are irregular four-sided figures (trapeziums), or the equivalent of the said figures and which are adapted to form or build a square figure as above described.

The faces of the cards may bear designs or figures of any fanciful or attractive type, or advertisements may be printed thereon.

What I claim is:

1. A puzzle consisting of fifteen flat sided pieces of card-board adapted to be placed edge to edge and constitute a rectangular figure, the said pieces representing three different shapes and five to each shape.

2. A puzzle consisting of flat pieces of three different shapes and five of each shape and adapted to be placed together edgewise and form a rectangular figure having unequal sides or four equal sides.

3. A puzzle as described consisting of fifteen flat pieces in three sets, one set of a right angled triangular shape, one set of scalene triangular shape and a third set of irregular four sided shape.

4. A puzzle as described having a rectangular figure consisting of fifteen pieces in sets of five each and comprising a square key formation constituted of one member from each set.

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

CONRAD J. KORTZ.

Witnesses:

E. M. FISHER,

F. C. HARROLD.