

J. I. WILEY.
PUZZLE.

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1,112,746.

Patented Oct. 6, 1914.

Fig. 1.

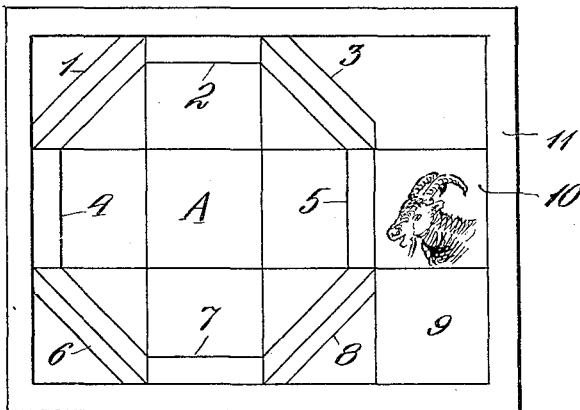


Fig. 2.

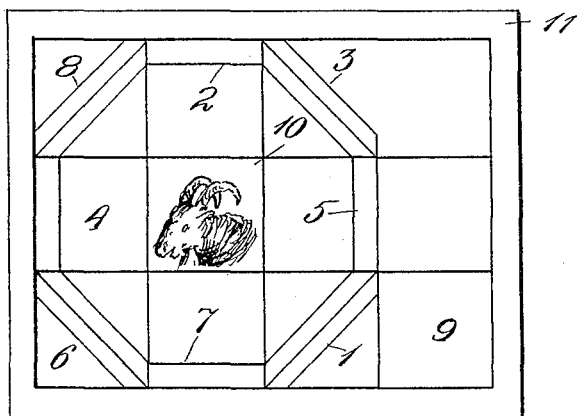


Fig. 3.

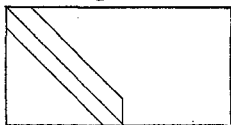


Fig. 4.



Witnesses:

W. H. Huff,
E. J. Barber,

Inventor:

John I. Wiley,
by *[Signature]*
Att.

UNITED STATES PATENT OFFICE.

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PUZZLE.

1,112,746.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN I. WILEY, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a certain new and useful Puzzle, of which the following is a specification.

My invention relates to a puzzle and has for its object to provide an interesting and amusing game device having but one method of solution. The accompanying drawing represents the invention.

Figure 1, is a plan view illustrating the original position of the blocks making up the puzzle. Fig. 2, is a plan view illustrating the position of the blocks when the puzzle is solved. Fig. 3, is a plan view of the double block, and Fig. 4, is a side view of the double block.

The puzzle consists of a box 11, containing a number of blocks, the aggregate area of which is equal to the aggregate area of the box, except that a space equal to the area of one of the blocks is left to permit of the shifting of the blocks to rearrange them without removing any of the blocks from the box.

Preferably the device consists of nine square blocks of equal size, and one block of the same width, but twice as long or equal in area to two of the other blocks. On said blocks are inscribed lines or marks 1, 2, 3, 4, 5, 6, 7 and 8, which when arranged in proper relation to each other form a border or inclosure around the vacant space A, as seen in Fig. 1. Outside of this inclosure or border are two other blocks 9 and 10, the block 9, being blank, and the block 10, being provided with a suitable configuration or pictorial representation, such as with the head of a goat, as shown.

The problem is to shift the blocks without removing them from the box 11, so that the block 10, will be moved into the vacant space A, and the blocks 1, 2, 3, 4, 5, 6, 7 and 8 will form an inclosure having the same appearance and arrangement as shown in the original position, Fig. 1. This is only possible by transposing blocks 1 and 8, which is accomplished by the following moves, starting with the arrangement shown in Fig. 1: Block 5 is moved to the left in the vacant space A; one block up; two blocks to the right; two blocks down; one block to the left; two blocks up; one block to the right;

two blocks down; one block to the left; two blocks up; one block to the right; two blocks down; one block to the left; one block up; one block left; one block up; two blocks to the right; two blocks down; one block to the left; two blocks up; one block to the right; two blocks down; one block to the left; one block up; two blocks to the left; one block up; two blocks to the right; one block down; one block to the left; one block up; one block to the left.

What I claim, is:—

1. A puzzle consisting of a box containing a plurality of blocks of equal size and one block equal in area to two of the other blocks, and a space equal in area to one single block, certain of said blocks being inscribed with a portion of a definite figure or outline that is formed by proper arrangement of the blocks containing portions of the figure or outline, two of said blocks being so inscribed as to be interchangeable with each other for properly re-arranging the blocks to form the original figure or outline by shifting the same without removing any of the blocks from the box.

2. A puzzle consisting of a box containing a plurality of blocks of equal size and a double block, said blocks occupying substantially the entire area of said box with the exception of a space equal to the area of one of said blocks, certain of said blocks being inscribed with a part of a definite figure or outline formed by proper arrangement of all of the blocks, such figure when disarranged by shifting the blocks being restored to original formation without removing any of the blocks from the box, by shifting all of the blocks to original position except two that are so inscribed as to be interchangeable with each other with relation to the figure or outline for the solution of the puzzle.

3. A puzzle consisting of a box containing a plurality of blocks occupying substantially the entire area of said box with the exception of a space equal to the square area of one of the blocks, certain of said blocks being suitably inscribed to form when properly arranged a definite uninterrupted outline, two of said blocks being so inscribed as to be interchangeable by shifting in the formation of the complete outline without removing any of the blocks from the box, the said space being in the center of and surrounded by said blocks forming the outline,

one of the remaining blocks being blank and the other having a distinguishing mark, the block with the distinguishing mark being shiftable to the space in the center of said inscribed blocks, the said inscribed blocks being shiftable to reform the original outline by transposing the two interchangeable blocks to solve the puzzle.

4. A puzzle consisting of a box containing 9 blocks of equal size and one double block, all of said blocks occupying substantially the entire area of said box with the exception of a space equal in area to one of said blocks, seven of said blocks and a portion of said double block being inscribed with marks to

form when properly arranged a definite outline around said space and two of said marked blocks being so inscribed as to be interchangeable with each other to reform the outline when disarranged, by shifting without removing any of the blocks from the box; one of the remaining blocks bearing a suitable distinguishing representation and the other block being blank.

In testimony whereof I have set my hand in the presence of two witnesses.

JOHN I. WILEY.

Witnesses:

ANTON GLOETZNER, Jr.,
E. L. STILWELL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."