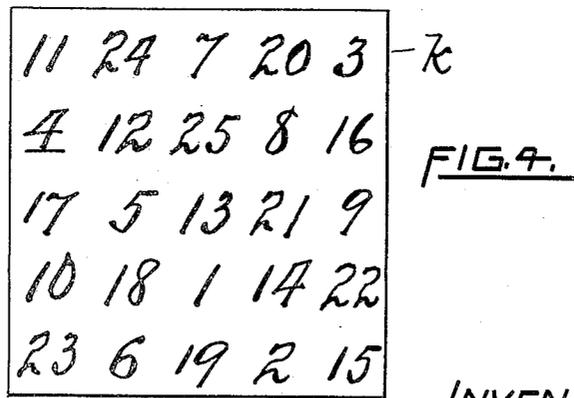
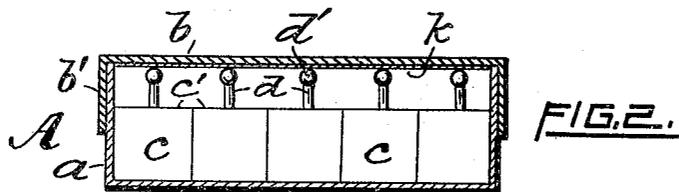
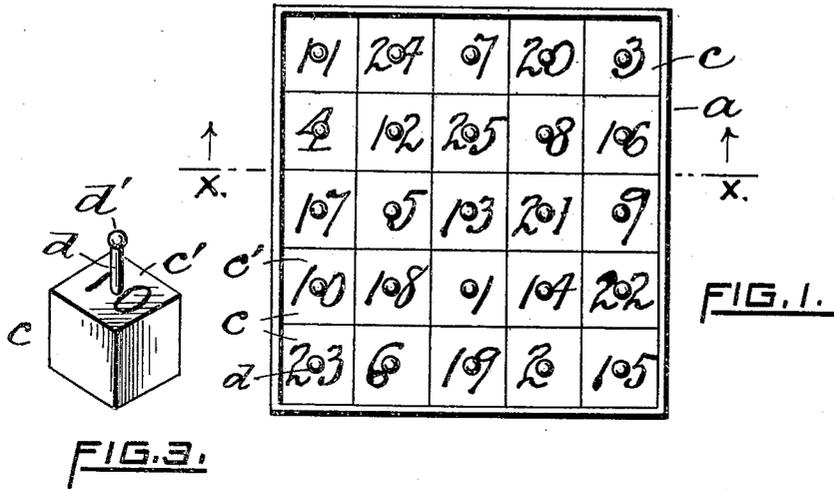


F. O. DYER.
PUZZLE.

APPLICATION FILED MAR. 27, 1905.



WITNESSES.

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Att.

UNITED STATES PATENT OFFICE.

FREDERICK O. DYER, OF TOUISSET, MASSACHUSETTS.

PUZZLE.

No. 807,113.

Specification of Letters Patent.

Patented Dec. 12, 1905.

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To all whom it may concern:

Be it known that I, FREDERICK O. DYER, a citizen of the United States of America, and a resident of Touisset, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Puzzles, of which the following is a specification.

My invention relates to improvements in "puzzles," so called; and it consists, essentially, of a plurality of individually-movable blocks or "pieces," each having a numeral or character on its upper surface, and also having a centrally-arranged headed pin secured to the block and extending vertically above said surface, a square box for containing the blocks, a cover for the box, and a diagram or "key" showing the proper arrangement of the blocks so that the numerals on the latter will total or count up a certain number in each horizontal, vertical, and diagonal row—as, for example, sixty-five.

In the accompanying sheet of drawings, illustrating my improved puzzle, Figure 1 is a plan view showing the blocks normally arranged in a square box, the box-cover being removed. Fig. 2 is a transverse sectional view taken on line xx of Fig. 1, the cover being included. Fig. 3 is a perspective view of one of the blocks or units removed from the box, and Fig. 4 is a representation of the diagram or key adapted to be contained in the box.

In my improved puzzle A, I employ a box a , having a square form, its depth interiorly being equal to or slightly exceeding the maximum height of a blank or unit c and provided with a removable cover b , having downwardly-extending sides b' , as clearly represented in Fig. 2.

I use a plurality of cube-shaped wooden blocks or units c , the upper face c' of each having a numeral or character thereon and also being provided with a short central vertical pin or post d , terminating at its upper end in an enlargement or head d' . These pins not only facilitate the lifting or shifting about of the blocks, but also practically insure that the numbered or working side or

face of the blocks will be uppermost when the latter are disposed in the box. 50

A removable or loose slip k , representing a diagram or solution of the puzzle, may be contained in the box.

In the puzzle forming the subject of my invention the same is illustrated as having twenty-five blocks c , arranged in the form of a square, five blocks in each row. The blocks are numbered consecutively from "1" to "25," inclusive, the puzzle or problem being to select from the promiscuously-assembled pieces and then position them in the box singly so that the sum of the numbers on the blocks of each row in both directions and also diagonally will amount to sixty-five. 55 60

It is obvious that a greater or less number of blocks c may be employed, the box itself being correspondingly enlarged or reduced to contain them. In any event, however, the number of blocks in a row must equal the square root of the whole number, the latter being consecutively numbered accordingly. 65 70

I am aware that puzzles comprising a plurality of movable pieces bearing numbers or characters have been devised prior to my invention. Therefore I do not claim such device broadly. 75

What I claim, and desire to secure by United States Letters Patent, is—

As an improved article of manufacture, a puzzle comprising a square box and its cover, in combination with a number of consecutively-numbered square blocks adapted to be contained in said box, said blocks being of such size and shape that when all are arranged in the box they will fill the same, each block being provided on its upper and numbered side with a centrally-disposed headed pin, of such height as to reach substantially to the cover of the box when the latter is in place. 80 85 90

Signed at Providence, Rhode Island, this 24th day of March, 1905.

FREDERICK O. DYER.

Witnesses:

GEO. H. REMINGTON,
CALVIN H. BROWN.