

(No Model.)

W. R. GROGER.  
PUZZLE.

No. 596,500.

Patented Jan. 4, 1898.

Fig 1

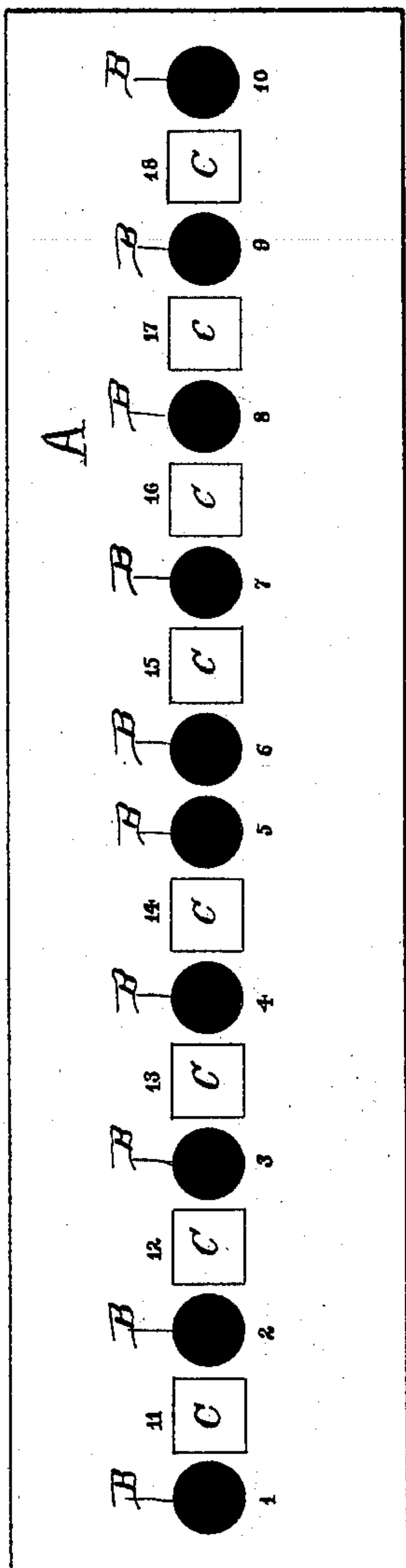
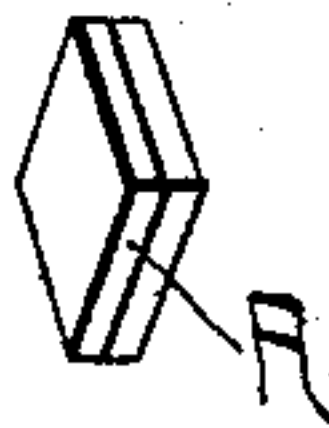


Fig 2



WITNESSES

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# UNITED STATES PATENT OFFICE.

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## PUZZLE.

SPECIFICATION forming part of Letters Patent No. 596,500, dated January 4, 1898.

Application filed December 17, 1896. Serial No. 616,008. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM ROADS GROGER, a citizen of the United States, residing at Petroleum Centre, in the county of Venango and State of Pennsylvania, have invented a certain new and useful Improvement in Puzzles, of which the following is a specification.

My invention relates to a new and amusing puzzle, and has for its object to provide a simple and cheap device of this description which will afford endless amusement and require considerable thought and attention to solve, and which, when solved, will represent sixteen ounces of silver to one of gold.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth, and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, its construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a board having marked thereon ten round spots and eight squares, and Fig. 2 a perspective of two of the blocks which are utilized in solving the puzzle.

In the drawings, A is the board, which may be of any convenient shape, (here shown as rectangular,) and upon this board are marked ten round spots B and eight squares C, the squares being designated by numbers from "1" to "10," while the spots are designated from "11" to "18." Upon each of the squares are placed two blocks D, one upon the top of the other, as shown in Fig. 2, and these blocks represent ounces of silver, and the object of the puzzle is to transfer these blocks so that there will be but one upon each of the squares and one each upon eight of the spots, thus presenting sixteen squares covered by blocks, while but two spots are left exposed, one of which is supposed to represent an ounce of gold, and in practice I prefer to have the spots gilded, while the squares are of silver hue, and the blocks likewise represent silver by their color.

In solving the puzzle two blocks are placed upon each of the squares, and the object is to move the blocks, jumping over two blocks at

a time, moving only the top block on each square, so as to cover all of the squares and all of the round spots but two.

The solution is as follows: The top block of "13" is moved to "5," "12" to "1," "11" to "4," "14" to "3," "16" to "6," "17" to "10," "18" to "7," and "15" to "8." Thus it will be seen that all of the rounds but two are covered and two blocks, either on the spots or squares, have been jumped.

It will be found that where a person has not the key for the solution of this puzzle considerable time and patience will be required to solve the same, yet when the key is known the solution is very simple and is brought about by the moving of the upper blocks, which represent ounces of silver, to and fro about the spots until they are finally distributed upon all of said spots with the exception of two without jumping more than two of the spots at one move.

The cost of manufacture of a puzzle made in accordance with my improvement is very small, and it will afford endless amusement to those interested in the political questions of the United States as at present agitated.

Having thus fully described my invention, what I claim as new and useful is—

1. A puzzle, consisting of a number of spots inscribed upon a surface, a number of squares intervening between said spots, and a series of blocks double the number of squares, substantially as and for the purpose set forth.

2. A puzzle, consisting of a board, ten spots marked thereon, eight squares arranged between said spots, and sixteen blocks, substantially as and for the purpose set forth.

3. A board, ten round spots marked thereon, eight squares arranged between the spots, said spots being designated from "1" to "10" and said squares being designated from "11" to "18," and sixteen blocks adapted to be placed two upon each of the squares, eight of which by manipulation are to be placed upon eight of the spots, substantially as described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

WILLIAM ROADS GROGER.

Witnesses:

S. S. WILLIAMSON,  
C. H. WILSON.