

C. W. COURTNEY.
PUZZLE.

APPLICATION FILED FEB. 29, 1904.

Fig. 1.

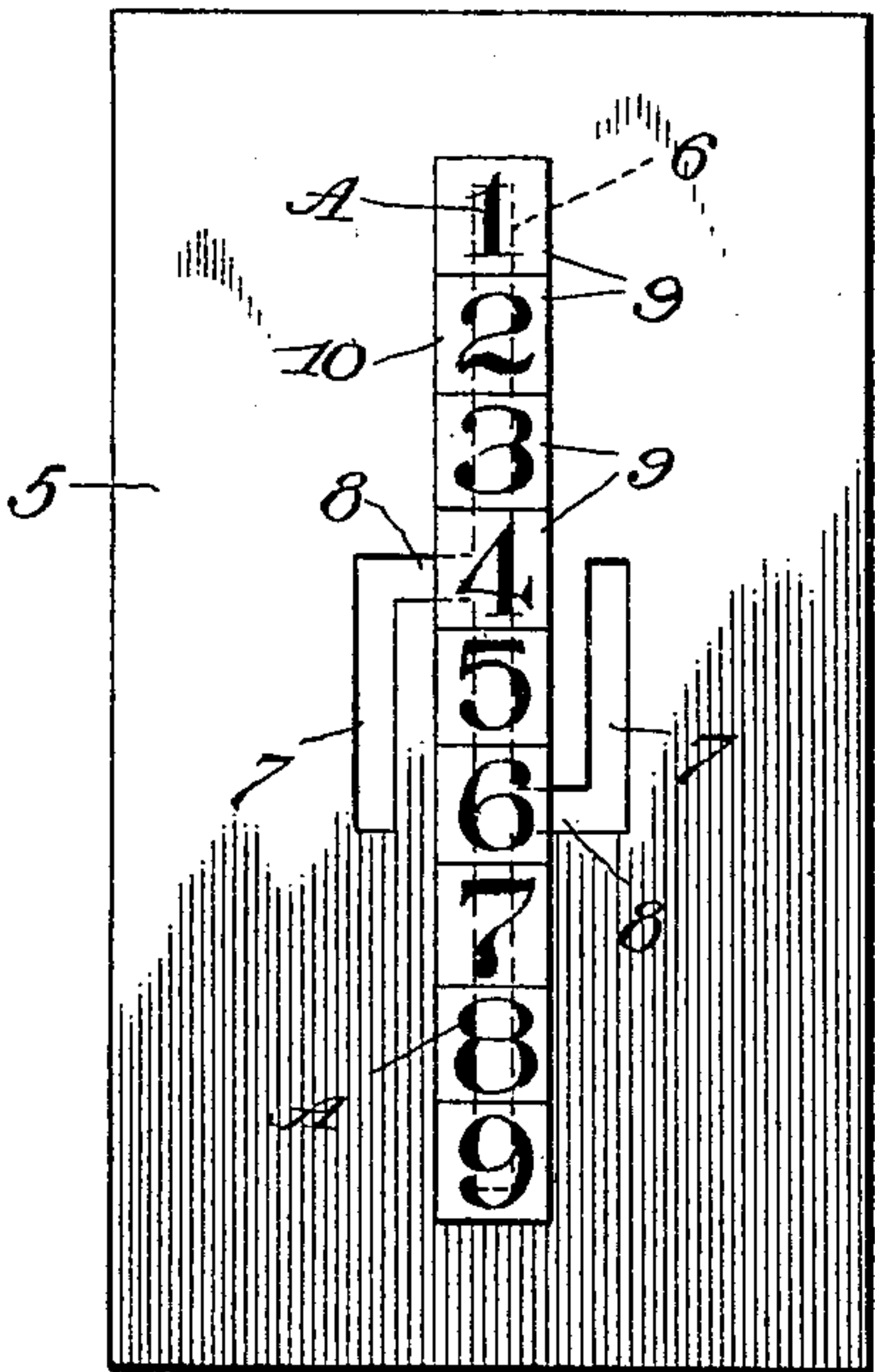


Fig. 2.

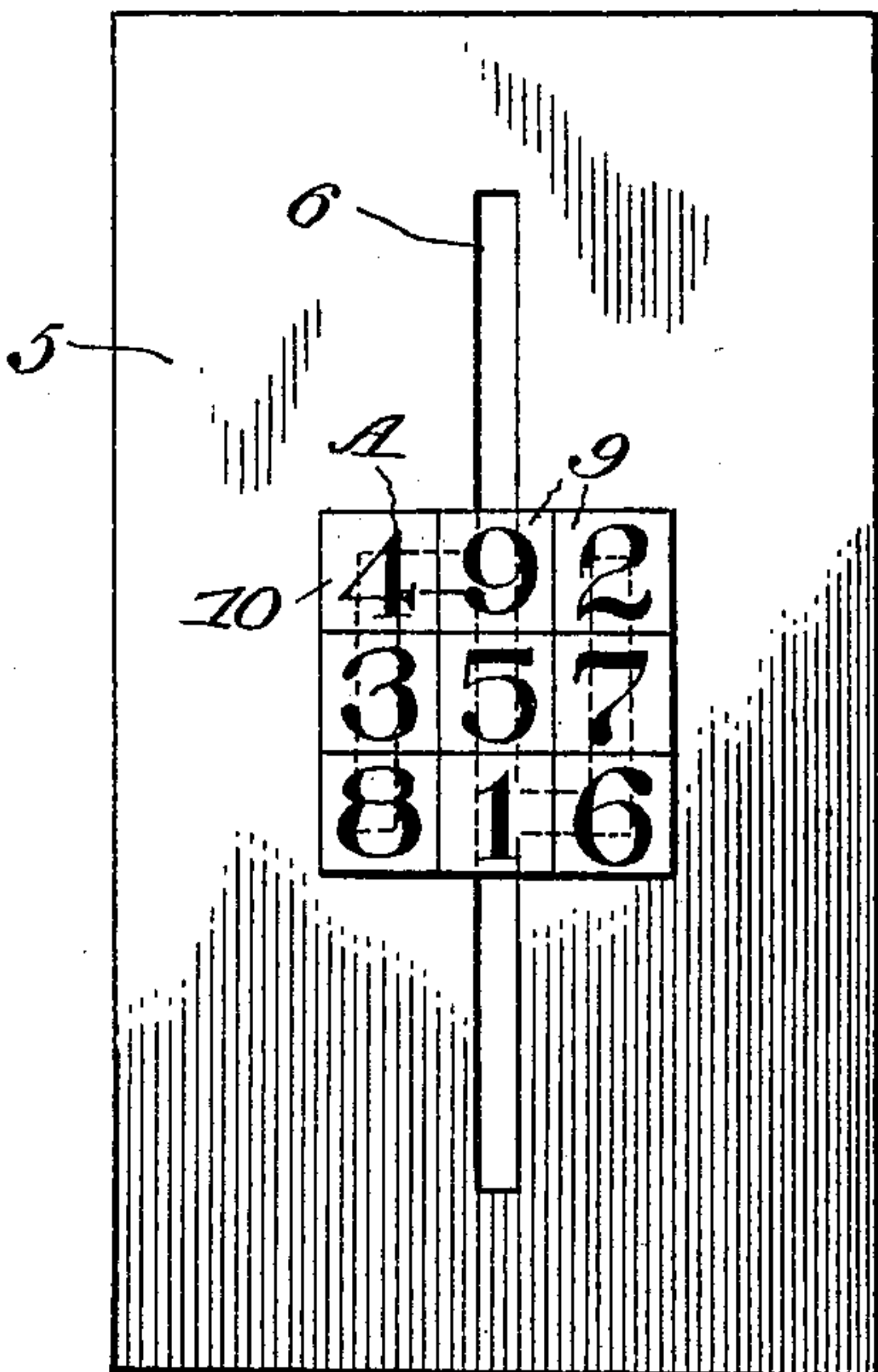


Fig. 3.

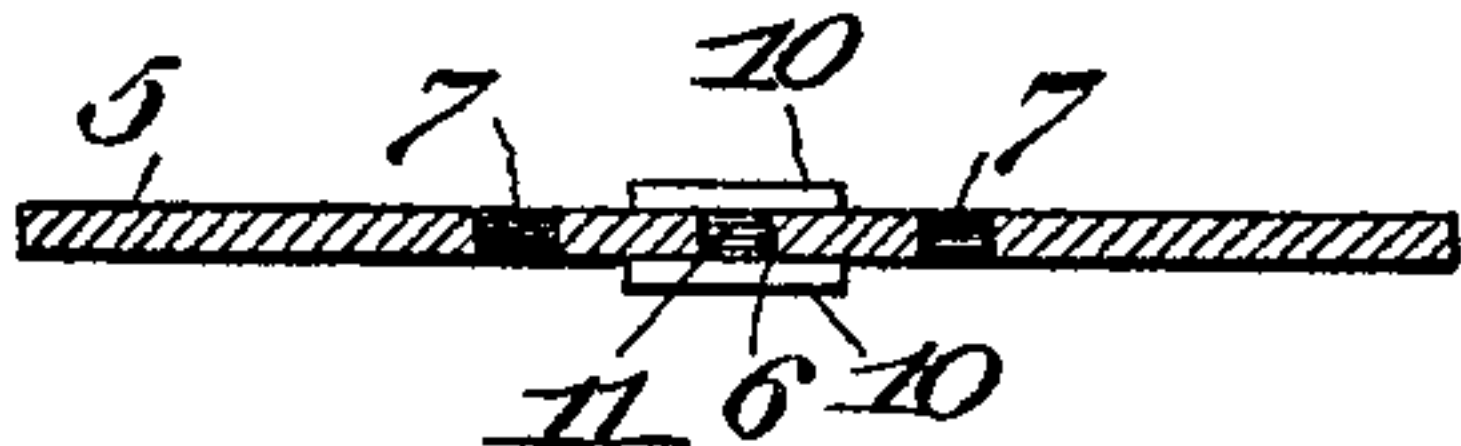
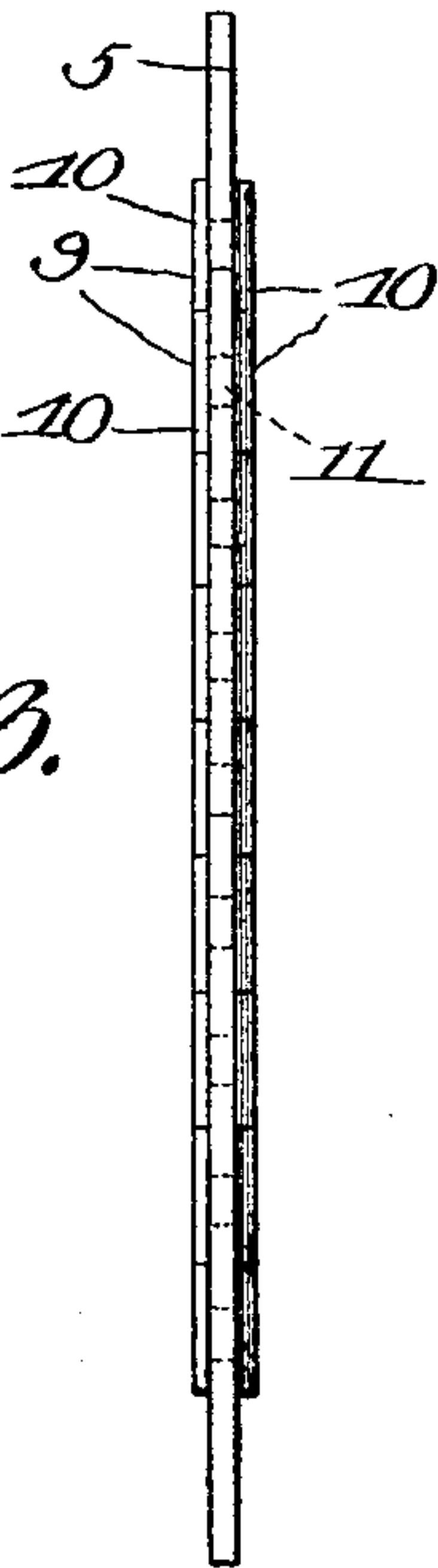


Fig. 4.

Fig. 6.

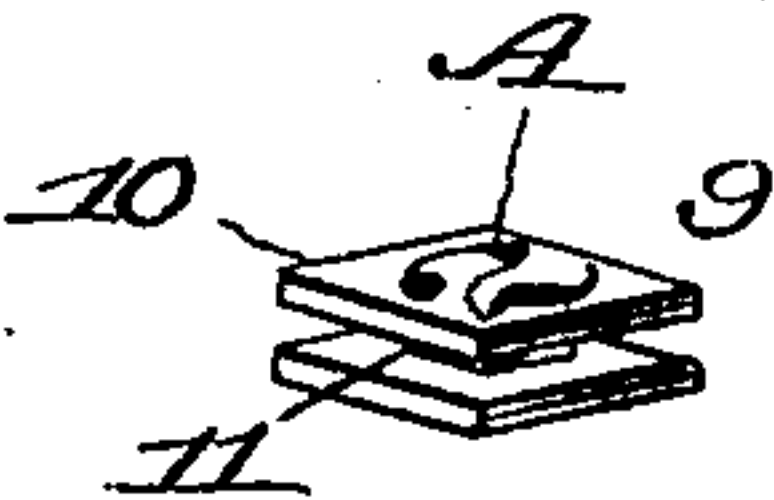
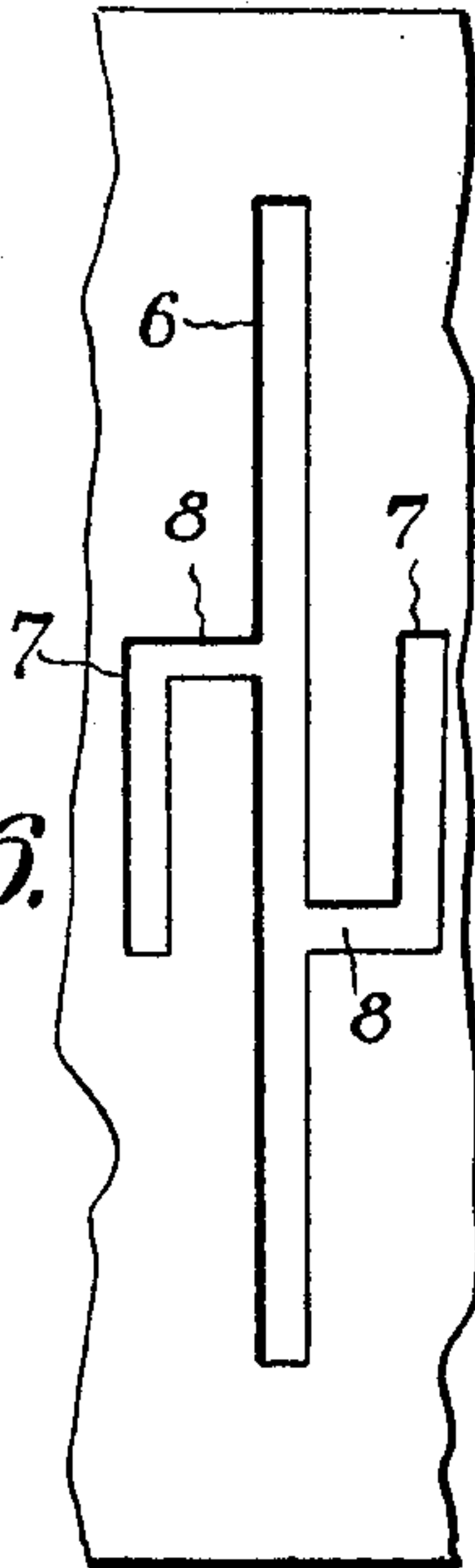


Fig. 5.

Witnesses

E. J. Stewart
L. A. Mcken

Cyrus W. Courtney,
Inventor,
by C. A. Snow & Co.
Attorneys

UNITED STATES PATENT OFFICE.

CYRUS WILLIAM COURTNEY, OF WESTON, OREGON.

PUZZLE.

No. 795,487.

Specification of Letters Patent.

Patented July 25, 1905.

Application filed February 29, 1904. Serial No. 195,932.

To all whom it may concern:

Be it known that I, CYRUS WILLIAM COURTNEY, a citizen of the United States, residing at Weston, in the county of Umatilla and State of Oregon, have invented a new and useful Puzzle, of which the following is a specification.

This invention relates to an improved puzzle, and has for its object the production of a simple, inexpensive, and amusing device of this character, in which a series of buttons or playing-pieces numbered consecutively from one to nine are slidably mounted in a slotted plate or support, the puzzle being to arrange said buttons in the form of a rectangle, so that every three buttons in line when added together will amount to fifteen.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended, it being understood that various changes in form, proportion, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

In the accompanying drawings, forming a part of this specification, Figure 1 is a plan view of a puzzle constructed in accordance with my invention and showing the movable buttons or playing-pieces in the positions in which they are placed before working the puzzle. Fig. 2 is a similar view of the puzzle, showing the position of the buttons or playing-pieces when the puzzle is solved. Fig. 3 is a side elevation of Fig. 1. Fig. 4 is a transverse sectional view. Fig. 5 is a detail perspective view of one of the buttons or playing-pieces detached. Fig. 6 is a plan view of a portion of the plate with the buttons removed.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The puzzle consists of a flat plate or body portion 5, which may be of any desired shape or configuration and formed of metal, wood, cardboard, or other suitable material, being preferably formed of aluminium on account of its lightness and durability. The plate 5 is preferably rectangular in shape, as shown, and provided with a centrally-disposed slot or opening 6, which extends longitudinally of the plate and terminates at points adjacent the op-

posite ends thereof. Arranged on each side of the longitudinal slot or opening 6 and extending parallel therewith are oppositely-disposed bayonet-slots 7, the mouths 8 of which communicate with the slot 6, so as to form, in effect, a continuation of the latter. The rear wall of one of the bayonet-slots 7 is preferably aligned or coextensive with the front wall of the opposite slot to thereby present a substantially rectangular slot or opening at the center of the plate, as clearly shown in Figs. 1 and 2 of the drawings.

Slidably mounted in the longitudinal slot 6 are a series of buttons or playing-pieces 9, each consisting of a pair of flat heads 10, connected by a squared shank 11, which engages the side walls of the slot 6 and prevents independent rotative movement of said buttons. The buttons or playing-pieces 9 are free to slide or move in both the longitudinal slot 6 and bayonet-slots 7, the flat head of each button having printed, stamped, or otherwise affixed thereto a numeral designated by the letter "A," said buttons or playing-pieces being numbered consecutively from one to nine, as shown.

In working the puzzle the buttons are first arranged in consecutive order within the slot 6, as clearly shown in Fig. 1 of the drawings, the object being to move or manipulate the buttons within the slots 6 and 7 in such a manner that when said buttons are properly positioned they will form a rectangle in the center of the plate, as shown in Fig. 2, so that the numerals on every three buttons in line when added will amount to fifteen.

Having thus described the invention, what is claimed is—

A puzzle comprising a plate provided with a longitudinal slot having oppositely-disposed bayonet-slots communicating therewith, the closed end of one bayonet-slot being arranged opposite the mouth of the other, and a series of buttons slidably mounted in the slots and numbered consecutively from one to nine, said blocks being adapted to form a rectangle at the center of the plate when properly positioned in said slots.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CYRUS WILLIAM COURTNEY.

Witnesses:

J. R. KILLGORE,

WILL JAMIESON.