

J. W. KEISER.
MORTISE BLOCK PUZZLE.
APPLICATION FILED MAR. 16, 1915.

1,261,242.

Patented Apr. 2, 1918.

Fig. 1

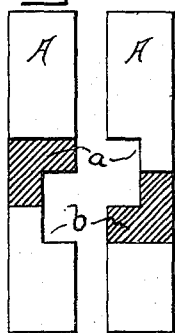


Fig. 2

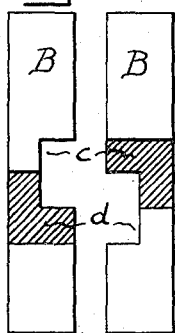


Fig. 3

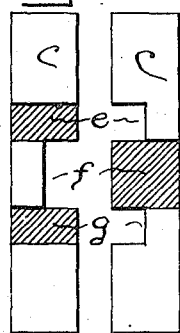


Fig. 4

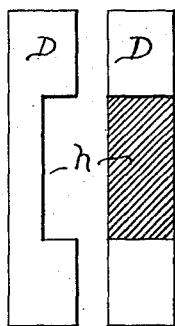


Fig. 5

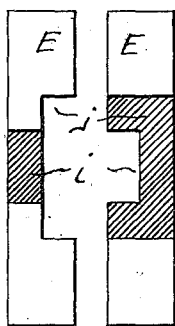


Fig. 6

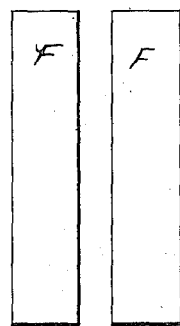


Fig. 7

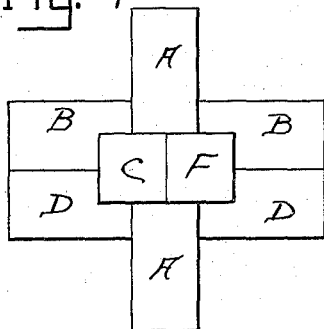
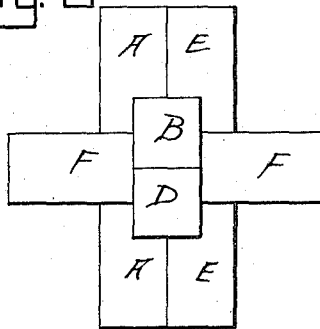


Fig. 8



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MORTISE-BLOCK PUZZLE.

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To all whom it may concern:

Be it known that I, JAMES W. KEISER, a citizen of the United States, residing at Faulkton, in the county of Faulk and State of South Dakota, have invented certain new and useful Improvements in Mortise-Block Puzzles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in puzzles of what may be termed the "mortise block" type.

The invention has for its object to provide a simple, interesting, recreative and instructive device, which calls for the exercise of skill, ingenuity and patience and at the same time affording considerable amusement to correctly solve the puzzle.

A further object is to provide for carrying out the aforesaid ends in an inexpensive, expeditious and effective manner, and with facility.

The invention consists therefore of certain instrumentalities and features of construction substantially as hereinafter fully disclosed and defined by the appended claim.

In the accompanying drawing, which illustrates the preferred embodiment of my invention, wherein it will be understood that various changes and modifications may be made as to the detailed construction and arrangement of parts without departing from the scope of the claim, and in which drawing:

Figure 1 represents one member or element of the device or puzzle, viewed from different angles.

Fig. 2 represents another element or member thereof similarly viewed.

Fig. 3 represents a third member or element of the puzzle also viewed in a like manner.

Fig. 4 represents a fourth member or element thereof.

Fig. 5 represents a fifth element.

Fig. 6 represents a sixth element of the same, the member or elements referred to in the last three figures being each viewed also from different angles.

Figs. 7 and 8 represent the aforesaid elements or members assembled, also viewed from different angles, respectively.

In carrying out my invention, I suitably provide a plurality of members or elements,

which may be in block-form, designated A, B, C, D, E, and F, respectively. The members or blocks A and B, are each provided about centrally with I-shaped mortises, *a* and *b*, and *c* and *d* respectively, the mortises *a* and *b*, which are provided in sides or surfaces of the element or block A at right angles to each other, being the inverse one of the other and centrally of the element as seen in Fig. 1. The mortises *c* and *d* of the member or element B, are likewise provided in surfaces or sides thereof at right angles to each other, one also being the inverse of the other as seen in Fig. 2.

The element or block C has likewise, about centrally thereof, mortises *e*, *f* and *g*, the mortises *e* and *g* being in one and the same side and the mortise *f* being in a side at right angles to that containing the mortises *e*, *g* and in a plane intermediate of the latter, as seen in Fig. 3.

The element or block D has in one side, also about centrally thereof, a relatively elongated mortise *h*, as seen in Fig. 4.

The element or block F has also about centrally thereof, two mortises *i*, *j*, said mortises being in sides at right angles to each other, respectively, the mortise *i* being in a plane relatively intermediate of the mortise *j*, and of considerably less area, as seen in Fig. 5.

As shown in Fig. 6, the element or block F is devoid of mortises, being plain throughout on all its sides, the same serving as a key.

All of the elements or blocks it will be seen by reason of the aforesaid arrangement and construction, are thus adapted to be "halved" together, the means of mutually interfitting the same, and of discovering the method of effecting their separation at these points being preferably or effectively concealed.

In assembling the elements or blocks, the elements A, and E, are first impressed into service and with the same is associated the elements or blocks B and D, and finally with these are assembled the elements or blocks C and F, at right angles to both the elements A, E, and B, D, the mortises of the various elements or blocks all being brought into mutual registration as is apparent from Figs. 7 and 8. These elements or members all thus assembled, baffle or frustrate, until after long and protracted, persistent study and effort, by reason of their mutual correspondence, or unidentified character, the

most careful and painstaking endeavor to locate or "identify" the key to the situation or to discover the secret for disassembling the elements or blocks, which is believed apparent from the disclosure as brought out herein. Thus my device provides for a recre-
5 active entertainment and pastime which is interesting and instructive as well as profitable.

10 I claim:

In a device of the class described comprising a plurality of mortise blocks, one of said blocks (A) being provided with a plurality of transverse intersecting mortises (*a-b*),
15 forming an inverted L-shaped mortise on one face and an inverse L-shaped mortise on an adjacent face; a second block (B) provided with a plurality of transverse inter-
secting mortises, (*c-d*) forming an L-
20 shaped mortise on one face and an inverse L-shaped mortise on an adjacent face; a

third block (C) provided with a transverse mortise (*f*) on one face and a plurality of transverse intersecting mortises (*e-g*) on an adjacent face; a fourth block (D) pro-
25 vided with an elongated transverse mortise (*h*); a fifth block (E) provided with an elongated transverse mortise (*j*) on one face and a smaller transverse mortise (*i*) on an adjacent face, said smaller mortise being
30 positioned centrally with respect to the elongated mortise, and a non-mortised block (F) designed to simultaneously engage the mortised blocks and retain them in a pre-
35 determined position when the same have been assembled with respect to their cooperating mortises.

J. W. KEISER.

Witnesses:

GEO. W. WRIGHT,
GEO. W. GEIGER.

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