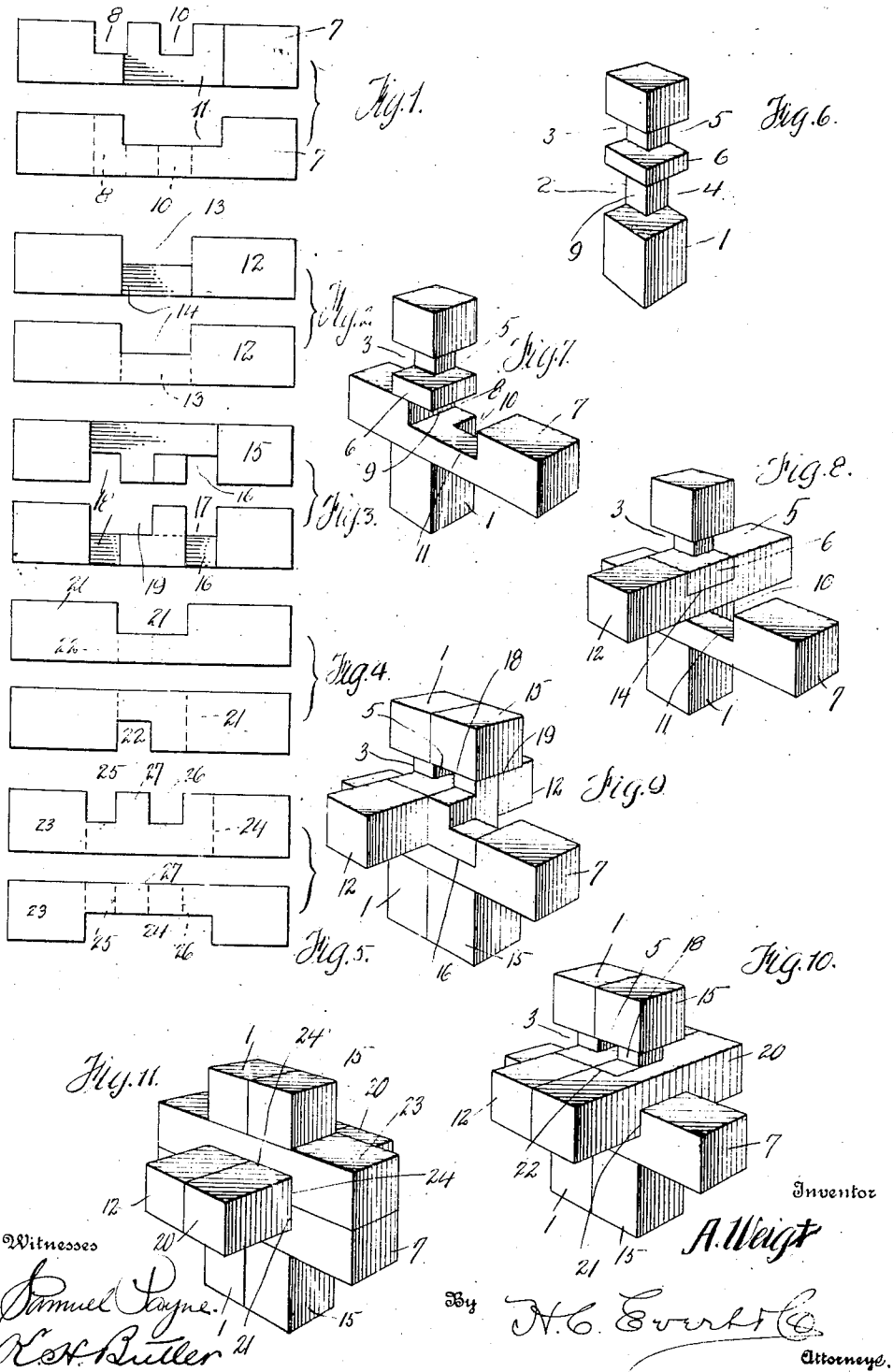


A. WEIGT.
PUZZLE.

APPLICATION FILED JUNE 22, 1909.

943,496.

Patented Dec. 14, 1909.



UNITED STATES PATENT OFFICE.

ALBERT WEIGT, OF NEW YORK, N. Y.

PUZZLE.

943,496.

Specification of Letters Patent.

Patented Dec. 14, 1909.

Application filed June 22, 1909. Serial No. 503,610.

To all whom it may concern:

Be it known that I, ALBERT WEIGT, a subject of the King of Hungary, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Puzzles, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to puzzles, and the invention has for its objects to provide a novel, interesting and amusing puzzle consisting of a plurality of interlocking blocks or sticks, which when once separated require
15 considerable skill and patience to assemble, to furnish a device which constitutes a perplexing and indirect puzzle or toy for testing the ingenuity; and to provide a block puzzle consisting of a plurality of blocks,
20 which when assembled present a structure having lines of separation not easily detected, thereby increasing the difficulty experienced in disassembling the structural elements of the puzzle after the latter has been
25 set up.

The invention will be hereinafter considered in detail and then claimed, and reference will now be had to the drawing forming a part of this specification, wherein there is
30 illustrated a preferred embodiment of the invention, but it is to be understood that the structural elements thereof can be varied, as to the size, shape and manner of assemblage without departing from the spirit of the invention.
35

In the drawings: Figure 1 is an elevation and plan of one of the foundation blocks, Fig. 2 is a similar view of one of the inner blocks, Fig. 3 is a similar view of the locking blocks, Fig. 4 is a similar view of another inner block, Fig. 5 is a similar view of the tie block, Fig. 6 is a perspective view of another of the foundation blocks, Fig. 7 is a similar view of the two foundation blocks
40 when assembled, Fig. 8 is a similar view of the foundation blocks, and one of the inner blocks assembled, Fig. 9 is a similar view showing the locking block added to the structure shown in Fig. 8, Fig. 10 is a perspective
50 view showing the inner blocks, the foundation blocks, and the locking block assembled, and Fig. 11 is a perspective view showing the various blocks of the puzzle in an assembled position.

55 Referring to the drawings in detail, 1 denotes a rectangular foundation block, which

is cut-away on a pair of sides to provide a pair of transverse grooves 2 and 3 and a part of transverse grooves 4 and 5, the grooves 2 and 3 being disposed at right angles with
60 respect to the grooves 4 and 5, and the groove 2 is of greater width than the groove 3 and the groove 4 is of greater width than the groove 5, the said grooves 4 and 5 intersecting the grooves 2, 3 and the said two
65 pairs of grooves provide what may be termed an intermediate web 6 at one side of the center of the block in the direction of its length. The remaining portion of the body of the block 1 after the grooves 2, 4,
70 have been provided is termed a shank and is indicated by the reference character 9. The reference character 7 denotes another rectangular foundation block which is provided in one side with a transverse groove 8
75 to receive the shank 9 of the block 1 and so that the said block 7 can be seated in the grooves 2 and 4. The block 7 is provided with a transverse groove 11 in the side thereof and which is disposed at right angles
80 with respect to the groove 8 and is of greater width than said groove 8 and the said block 7 is furthermore provided with a groove 10 of less length than the groove 8 but said
85 groove 10 extends in parallelism with respect to the groove 8 and intersects the groove 11.

The reference character 12 indicates one of the inner blocks and which is provided in one side with a transverse groove 13 and
90 in another side with a transverse groove 14, the groove 13 intersecting the groove 14 and disposed at right angles with respect thereto and the said groove 14 is adapted to receive the web 6 and the grooves 13, a portion of
95 the foundation block 7 being clearly shown in Fig. 8.

The reference character 15 indicates a locking block which is provided with a transverse groove 16 and a transverse groove 18
100 upon the same side of the block, the groove 16 being of greater length than the groove 18 and the said block in the side at right angles to the side in which the grooves 16 and 18 are provided is formed with a longitudinally extending groove 17 opening into
105 the groove 16 and intersected by a transversely extending groove 19 which is intersected by the groove 18. The groove 16 is adapted to receive a portion of the block 7
110 and the said block 15 abuts against the block 1 and when the said block 15 receives a por-

tion of the block 7, the block 12 is locked in position as clearly shown in Fig. 4. When the block 15 is in the position as shown in Fig. 4 the groove 18 registers with the groove 3 of the block 1.

The reference character 20 designates the other inner block and which is provided in one side with a transverse groove 21 and in another side with a transverse groove 22 which intersects the groove 21 and is disposed at right angles with respect to said groove 21. The block 20 when seated in position and as shown in Fig. 10 is mounted in the groove 19 and in a part of the groove 17 of the locking block 15.

The reference character 23 indicates the tie block and which is provided with a transverse groove 24 in one side and with a pair of transverse grooves 25 and 26 in another side, the grooves 25 and 26 providing a tongue 27 and intersecting the groove 24 and disposed at right angles with respect to said groove 24. When the tie block 23 is seated in position, the groove 24 is adapted to receive the inner blocks 12 and 20 as clearly shown in Fig. 11 and the grooves 25 and 26 are adapted to receive the blocks 1 and 15 and when the tie block 23 is in position, the tongue 27 extends between the blocks 1 and 15.

A distinguishing feature of the puzzle is that the foundation block 1 and the locking block 15 provide an opening or a socket to receive the tongue 27 carried by the tie bar.

When the puzzle is set up, the separable or division lines of the blocks present practically the same appearance upon one side of the device as the other, see Fig. 11, and therefore it is a difficult matter to determine the first block to be moved when it is desired to disassemble the puzzle and also that it is very perplexing when the puzzle is disassembled to select the foundation or building block when it is desirable to assemble the block.

Having now described my invention what I claim as new, is:—

A puzzle comprising foundation blocks, a tie block, inner blocks, and a locking block, each of said blocks being of the same length and cross-sectional area, one of said foundation blocks provided with intersecting transverse grooves forming said blocks with a web and a shank, and the other of said foundation blocks having transverse grooves in one side and a transverse groove in another side approximately three times the width of one of the other grooves of said block and said last mentioned groove receiving said shank, one of said inner blocks having transverse grooves disposed at right angles, one of which receives said web and the other of which receives a part of the second foundation block, the locking block having a transverse groove for the reception of said second foundation block and further having a transverse groove alining with one of the transverse grooves of the first foundation block, and said locking block further provided in one side with a longitudinally extending groove and a transverse groove intersecting the longitudinal groove, the other of said inner blocks provided with transverse grooves disposed at right angles and intersecting each other for receiving said locking block, and said tie member provided with a pair of transverse grooves forming a tongue and further having a transverse groove at right angles with respect to the pair of grooves and receiving said inner blocks, said pair of grooves receiving said first foundation block and the locking block, and said tongue extending between the last mentioned blocks.

In testimony whereof I affix my signature in the presence of two witnesses.

ALBERT WEIGT.

Witnesses:

JOSEF GÄRTNER,
ALEXANDER KUPECS.