Oct. 6, 1964 J. MILLER 3,151,867

MULTIPLE JIGSAW PUZZLE

Filed July 16, 1962 2 Sheets-Sheet 1

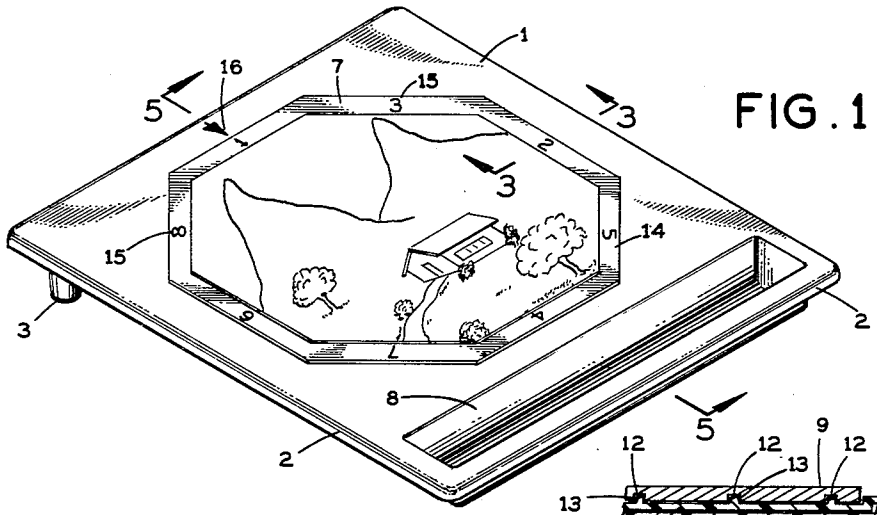


FIG. 1

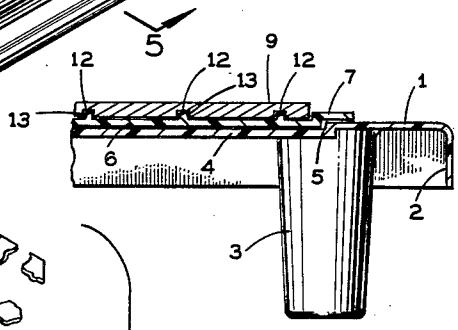


FIG. 3

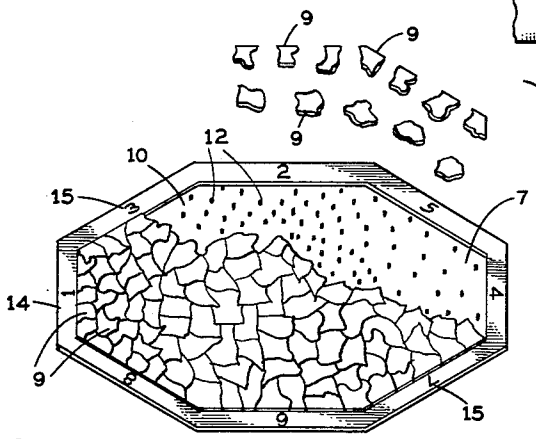


FIG. 2

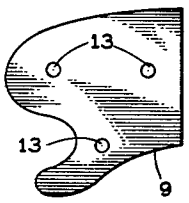
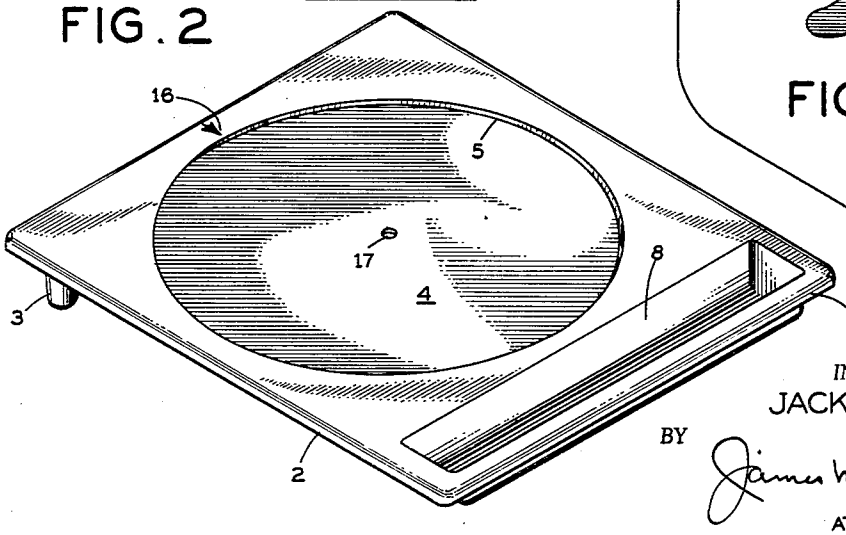


FIG. 4



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MULTIPLE JIGSAW PUZZLE

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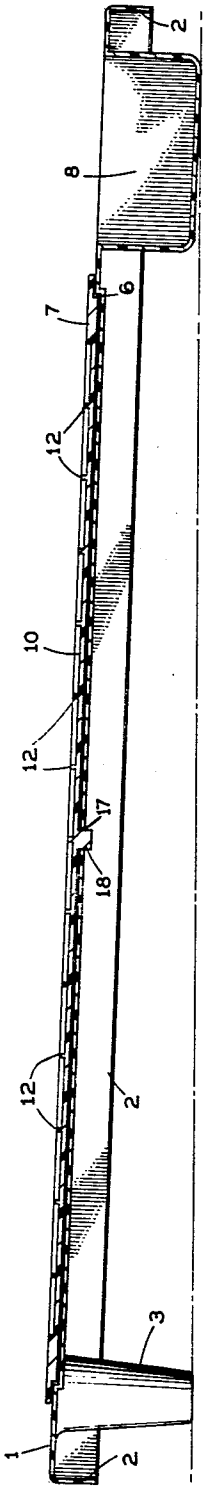


FIG. 5

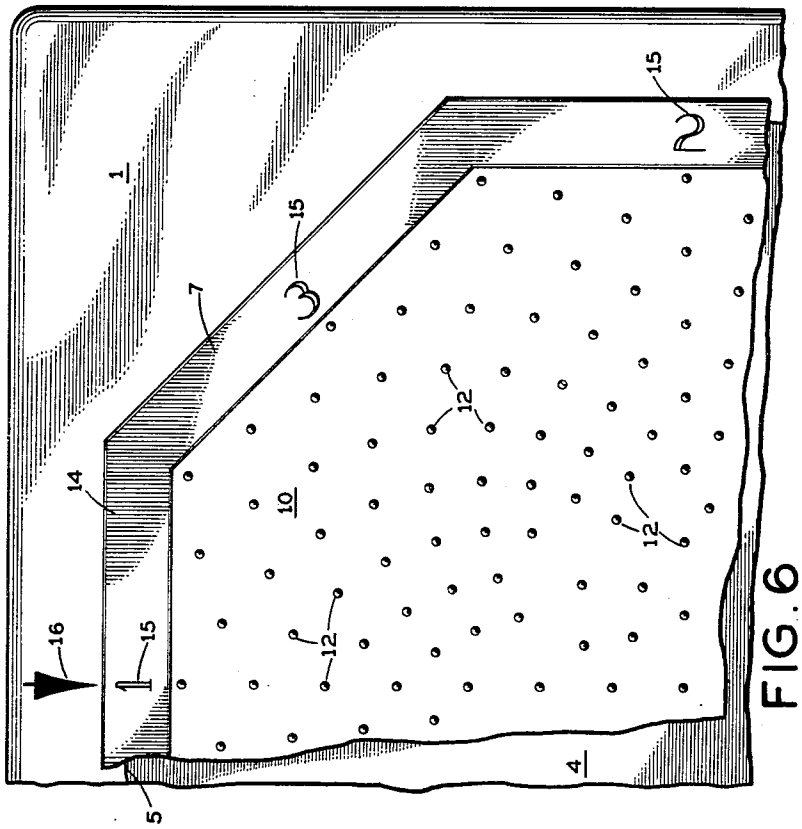


FIG. 6

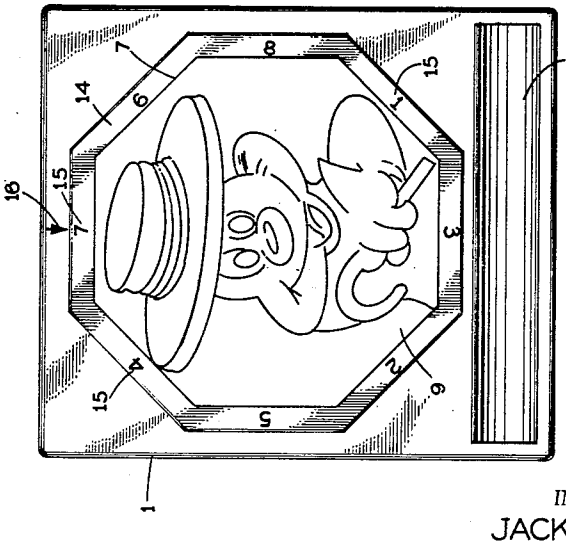


FIG. 7

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MULTIPLE JIGSAW PUZZLE

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4 Claims. (Cl. 273—157)

This invention relates to games, and more particularly to games of the jig-saw puzzle type wherein a plurality of puzzle pieces or cut-outs of various interfitting shapes are assembled on the surface of a game board to produce a picture.

It is one of the objects of the present invention to provide a game board mounted for rotative adjustment on a supporting base or platform, and capable of being positioned in various ways to enable selective groups of puzzle pieces to be fitted together on it to produce different pictures.

It is an object of the invention to provide a game board for the assembly of different groups of jig-saw puzzle elements with the use, acceptance and arrangement of such elements on the game board being determined by the position of the game board relative to a support or platform on which it is mounted.

More particularly, the invention contemplates the provision of a supporting base or platform provided with means for conveniently holding a set of puzzle pieces, the platform being provided with means for rotatively supporting a segmentally-divided game board or playing surface, the board having its segments designated by numerals or other identifying insignia and the platform having an indicating arrow with which any one of the segments of the game board may be selectively aligned, thereby indicating to the player the particular group of puzzle pieces to be used to produce a certain picture. The invention further contemplates the provision of a plurality of sets of puzzle pieces, said sets corresponding in number to the indicated segments of the game board so that the proper set of pieces will be used according to the position of the game board on the platform as indicated by the arrow thereon. The invention further contemplates the provision of a plurality of pins or pegs on the game board, with recesses provided in the rear face of each of the game pieces so that not only is interfit in the usual way obtained between the pieces, but also engagement between the recesses and pins when each of the pieces is properly placed on the board.

With these and other objects to be hereinafter set forth in view, I have devised the arrangement of parts to be described and more particularly pointed out in the claims appended hereto.

In the accompanying drawings, wherein an illustrative embodiment of the invention is disclosed,

FIG. 1 is a perspective view of a game board constructed according to the invention;

FIG. 2 is a perspective view of the several parts of the game and some of the puzzle pieces used in conjunction therewith;

FIG. 3 is a sectional view, taken substantially on the line 3—3 of FIG. 1, looking in the direction of the arrows;

FIG. 4 is a view of one of the game pieces, as seen from the under side thereof;

FIG. 5 is a sectional view, taken substantially on the line 5—5 of FIG. 1, looking in the direction of the arrows;

FIG. 6 is a plan view of a portion of the game board showing the indicating means borne by the same, and

FIG. 7 is a plan view of the game board with the completed or assembled picture thereon.

The game board includes a base member or platform generally indicated at 1, the same being preferably, but not necessarily, composed of molded plastic material and

being in the form of a flat, table-like member having a perimetrical reinforcing flange 2 to add stiffness and strength. The base member or platform 1 is provided toward one end with supporting legs 3 which will hold it in an inclined position when it is rested on a table, desk or other flat surface in front of the player.

A central portion of the platform or base member 1 is formed with a depression 4, resulting in the production of a circular recess or well 5 in which a circular part 6 of a game board 7 is adapted to fit and within which it is rotative. The depression 5 is provided with a central hole 17 for receiving a stud 18 formed on the bottom of the circular part 6 of the game board.

Provided near one end of the base member or platform 1 is a trough 8 serving as a receptacle for the game pieces or puzzle elements 9 which are adapted to be assembled in the manner of jig-saw puzzles on the surface of one of the game boards 7 while the same is supported on the platform 1. When the base member or platform is rested upon a table, desk or other flat surface, it will be supported at one end by the trough 8 and at its other end by the legs 3 and slightly inclined, substantially as shown in FIG. 5.

The game board 7 has a flat upper playing surface 10 on which the puzzle pieces 9 of various shapes and sizes are adapted to be fitted together to form a picture 11 as shown in FIG. 7. The playing surface 10 is provided with a multitude of upstanding pins or pegs 12 and the game or puzzle pieces 9 are each provided with a number of recesses 13 which are fitted on the specific pins positioned to properly locate the respective pieces on the board 7 to produce the picture.

The game board 7 includes an octagonal or polygonal flange 14 which overlies the surface of the game board platform around the depression or recess 5 therein and the circular part 6 of the game board fits within the recess and its stud 18 fits in and is rotative in the hole 17. The game board 7 is thus rotative relatively to the platform 1 and is adjustable to cause it to assume different positions according to the set of puzzle pieces to be used and the picture to be resultantly formed.

Each of the eight sides of the flange 14 bears an identifying numeral as indicated at 15 and the surface of the platform is provided with an arrow or pointer 16 with which any one of the identifying numerals 15 may be aligned to properly position the game board for the assembly of any particular set of game pieces.

The game contemplates the provision of a game board 7; the supporting platform therefor and a number of sets of game pieces or puzzle elements 9. Each set of puzzle pieces can be contained in a cellophane bag bearing one of the identifying numerals 15 to indicate that such set of pieces is to be used when the game board 7 is positioned on the platform with a similar number aligned with the arrow 16. That is to say when it is desired to fit together the parts or puzzle pieces marked "6" for example, the game board 7 will be rotated until the numeral "6" on it is positioned at the arrow 16 and then the parts indicated by the numeral "6" can be assembled on the board, with the recesses 13 on such parts properly fitting the pegs 12 when the parts are interfitted. Similarly, by rotating the game board 7 to position any one of its identifying numerals 1 to 8 at the arrow 16, the puzzle pieces for the particular picture so designated, will be capable of assembly on the board. With each set of the puzzle pieces there can be provided a copy of the picture which they will produce when assembled.

The game also contemplates the competitive assembly of jig-saw puzzles numbered in accordance with the segmental numbers on the board and the arrangement of the pins 12 and recesses 13 is such that the parts intended for the assembly of any one specific picture can only be as-

sembled when the board is properly positioned on the base member or supporting platform. A competitive game can be played by two or more persons seeking to assemble either similar or different pictures.

While the base member or platform 1 is shown as being provided with a plurality of upstanding pins or pegs for engagement with recesses formed in the puzzle pieces, the game board may be made with a plain surface so that a jig saw puzzle may be assembled thereon in the usual manner. The jig saw puzzle may be of the type that is provided only with the outline of the picture to be produced when the puzzle is assembled and possibly by observing a master picture of the puzzle when completed. This is primarily for use by children and the puzzle is assembled onto the board 10, conforming to the octagonal shape thereof and, when completely assembled, a flat sheet of relatively stiff cardboard may be placed thereover and the board then inverted so that the assembled puzzle will be disposed upon the cardboard at which time, the child may slightly move all of the pieces apart and apply a suitable cement to their mating edges and so that the puzzle is then a unitary structure and after the cement has hardened, the puzzle can then be replaced upon the board 10 and the outline of the picture of the puzzle can then be colored by crayon or water paint, making a very interesting and instructional assembly that jointly functions to induce a child to first assemble the puzzle, face up, and then to invert the board to permit the puzzle to be cemented together, after which the device may be colored, as above noted.

In order to enable the puzzle pieces to be identified, the under side of each of the pieces may be marked with a numeral corresponding to the numeral on the game board 7 which identifies the particular puzzle produced by the game pieces of the set. Thus, if the game pieces of any particular set should become mixed with those of another set, they may be readily separated.

In playing the game, the board is placed on a table, desk or other support with the trough 8 thereof located adjacent to the player and with the game pieces for any one of the eight pictures contained within the trough. The playing board 7 is rotatively moved until the numeral corresponding to the set of parts in the trough is designated by the arrow 16, and the assembly of the puzzle is started and the game pieces fitted together until the surface of the board 7 is filled and the picture completed.

Having thus described a single embodiment of the invention, it is obvious that the same is not to be restricted thereto, but is broad enough to cover all structures coming within the scope of the annexed claims.

What I claim is:

1. A game having a supporting base, a game board rotatively supported on the base, said game board being divided into a plurality of separately designated segments, the base having an indicating mark for alignment with any one of the designated segments, a plurality of sets of jig-saw puzzle elements for assembly on the gameboard, each of said sets of jig-saw elements being arranged to interfit on the game board to provide a completed puzzle picture having a predetermined orientation when the rotative game board is positioned with a specific segment in alignment with the indicating mark.

2. A game as provided for in claim 1, wherein the surface of the game board is provided with a plurality of upstanding pins, and the under surfaces of the puzzle elements are formed with recesses fitting said pins.

3. In a game, a support having a game board rotatively mounted upon it, an indicator on the support, a plurality of spaced identifying markings on the game board permitting the game board to be positioned with any one of said markings located in registration with the indicator, and a number of sets of marked interfitting puzzle pieces, each set being usable for assembly on the game board to complete a picture having a predetermined orientation when its marker is the same as that positioned by the game board in registration with the indicator.

4. A game having a base member provided with a central, circular depression, a game board having a circular under part fitting in the depression and allowing rotative movement of the game board relatively to the base member, the game board having an octagonal upper flange overlying the face of the base member around the depression, the eight sections of the octagonal flange each bearing an identifying numeral, the base member bearing an indicator with which any one of the sections of the flange is adapted to be aligned, and a plurality of sets of interfitting jig-saw elements for assembly on the game board, each of said sets of jig-saw elements being arranged to interfit on the game board to provide a completed puzzle picture having a predetermined orientation when the game board is located in a certain position in relation to the indicator on the base member and said particular set of puzzle elements is assembled from that side of the game board which is opposite to a specific identifying numeral.

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