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E. M. KELLEY

1,987,480

PIN GAME

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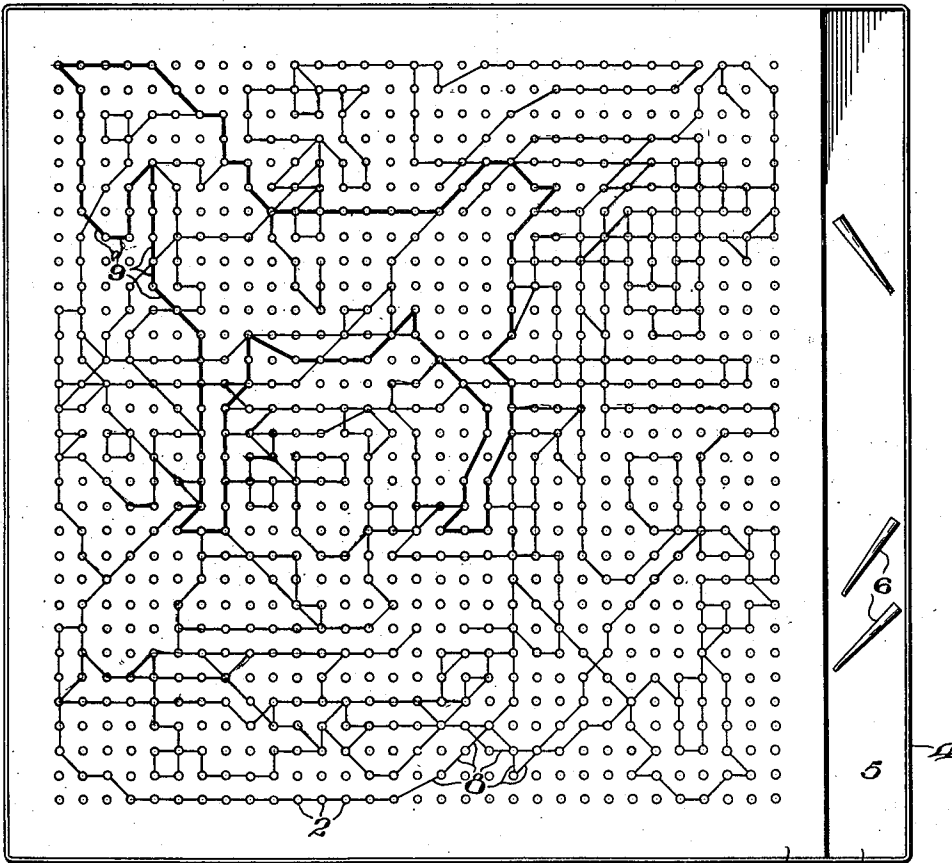


Fig. 1.

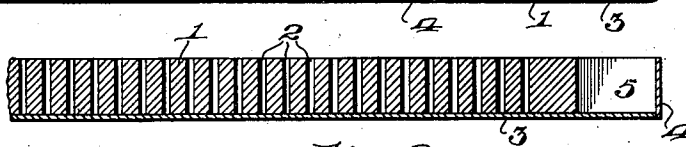


Fig. 2.

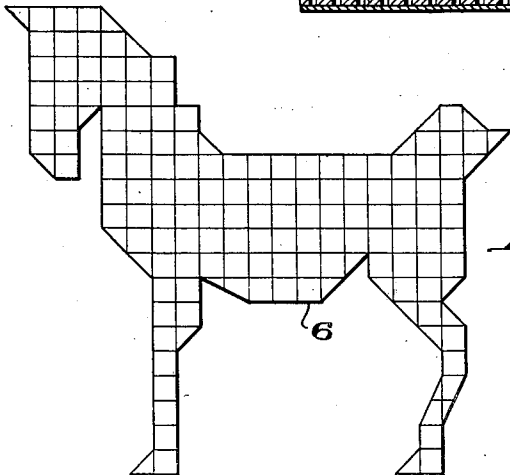


Fig. 3.

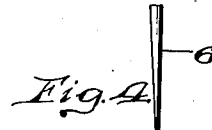


Fig. 4.

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UNITED STATES PATENT OFFICE

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PIN GAME

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3 Claims. (Cl. 35—12)

The object of the invention is to provide a novel form of combined puzzle and means of instruction in the shape of animals, birds, portraits, and other figures, particularly for children, but of interest to adults as well.

Another object more specifically is to provide a board having geometrically arranged apertures, adapted to receive pins or pegs in upright position, various combinations of said apertures being connected together by suitably formed lines, to indicate the outlines of overlapping figures, together if desired with a series of figures shaped from paper, cardboard, or other suitable material, adapted to be laid selectively upon said board in accordance with a given combination of said lines and apertures, and a plurality of pins adapted to outline a figure properly positioned upon said board, and when such figure is removed, said pins serving to preserve the indication of the outline of the same.

With these objects in mind, the invention comprises further details of construction and operation, which are fully brought out in the following description, when read in conjunction with the accompanying drawing, in which

Fig. 1 is a plan view of a board comprising one embodiment of the invention;

Fig. 2 is a fragmentary transverse section of the same;

Fig. 3 is a plan view of a figure, representing in this case a horse, and adapted to be laid upon the board of Fig. 1 in the position indicated by the heavier set of lines; and

Fig. 4 is a detail view of one of the pins or pegs.

Referring to the drawing, one embodiment of the invention is shown as comprising a board 1 of any suitable material such for instance as so-called wallboard, corkboard, or the like, provided with apertures 2 which are spaced apart preferably in accordance with a regular or geometric design, tho this is not actually essential. The board is secured within and against the bottom wall 3 of a box, which also comprises side walls 4 and may be covered by a removable lid (not shown) when not in use. Between one side of said board and the adjacent side wall of said box, there is a space 5 adapted as a pocket or compartment to receive pins 6 (Fig. 4) when not in use.

In Fig. 3 is shown a silhouette 7, representing the figure of a horse, outlined by means of straight lines, either at right angles or extending diagonally with respect to one another, in conformity with a particular group of the relatively short

lightly indicated lines 8, imprinted upon said board 1. At this point it is to be understood that the lines upon the said board are in practice of but one thickness, color or density, at least so far as they identify the proper position of any particular figure, such as that represented by the horse-like shape of Fig. 3, as otherwise it would constitute nothing of a puzzling nature to endeavor to so position such figure, that its outline would coincide with the proper group or combination of said lines.

The series of relatively darker and wider lines 9, comprising the outline of the horse, therefore are merely used to indicate one such combination or group of lines, which follow the edges of the particular figure when the latter is properly placed upon said board. When thus positioned upon said board, as many as may be necessary of said pins are then inserted in upright position in the several apertures which are found to properly outline said figure, after which the figure itself may be lifted from the board, and its outline will still be apparent from the shape of the irregular alignment of said pins.

If desired, it is then possible to connect the standing pins with threads, silk, narrow ribbons, or other suitable means or devices, for the purpose of even more completely indicating the outline of the particular figure in mind. Also, it is to be understood that, while in the present instance the lines 8 represent some ten or more animal outlines, it is obviously equally feasible to substitute birds, flowers, portraits, and other figures therefore, almost without limit.

It is also to be understood that in practice no silhouette figures need be employed, other than representations of the same which may appear upon the lid of the box, or upon a separate sheet, as mere illustrations suggesting the shapes of the figures provided for by the overlapping outlines, it is possible for one without the aid of a silhouette to select the proper apertures, and place pins in them so as to thereby effect the outline of a particular figure.

I am aware that the invention may be embodied in other specific forms without departing from the spirit or essential attributes thereof, and I therefore desire the present embodiment to be considered in all respects as illustrative and not restrictive, reference being had to the appended claims rather than to the foregoing description to indicate the scope of the invention.

Having thus described my invention what I claim as new and desire to secure by Letters Patent of the United States is:—

1. A board, provided with a multiplicity of apertures, a silhouette figure adapted to be laid upon said board so that the outline of the figure connects a given combination or group of said apertures, and pins adapted to be inserted in said connected apertures and thereby preserve the outline of said figure after said figure is removed.

2. A board, provided with a multiplicity of apertures, lines upon said board connecting various groups of said apertures and representing the outlines of overlapping figures, a series of figures adapted to be laid in turn upon said board, so that the outline of a given figure coincides with

the lines of a correspondingly shaped outline, and removable pins adapted to be inserted in the apertures connected by the said last-mentioned outline, to preserve such outline after the figure has been removed.

3. A board, provided with spaced apertures, a plurality of which apertures are connected by lines, representing the overlapping outlines of a plurality of figures, and a plurality of removable pins adapted to be inserted in a selected group of said apertures to thereby outline a particular figure.

EDWARD M. KELLEY.