July 10, 1928. 1,676,410

L. R. PAUL

TOY

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Fig. 1.

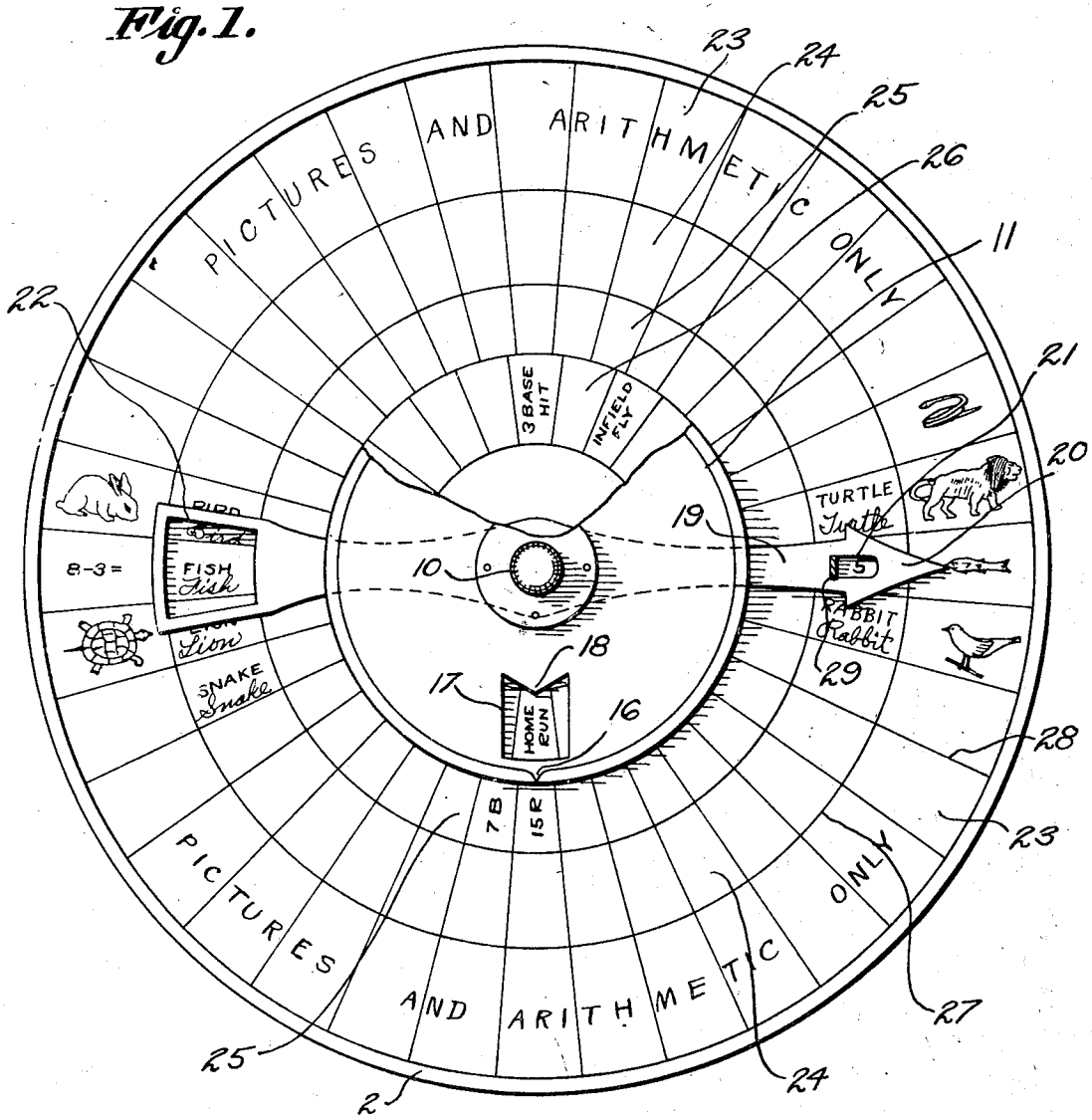
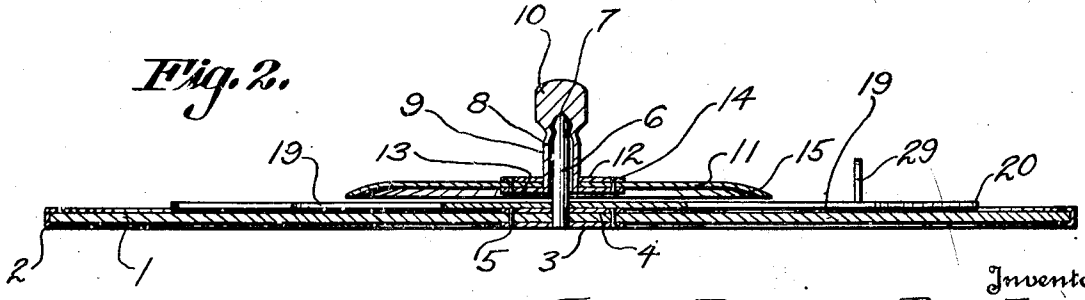


Fig. 2.



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UNITED STATES PATENT OFFICE.

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TOY.

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This invention relates to a toy adapted to be used both for amusement and educational purposes, one of the objects being to provide a device of this character with which different kinds of games can be played and which will afford amusement not only to children but also to adults.

A further object is to provide a toy which is simple and compact in construction and can be made and sold at low cost.

With the foregoing and other objects in view which appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings,

Figure 1 is a plan view of the toy, a portion being broken away.

Figure 2 is a central transverse section therethrough.

Referring to the figures by characters of reference 1 designates the circular board constituting the body of the toy, this being formed of any suitable material such as heavy cardboard which can be provided with a reinforcing rim 2 of metal having its edges lapping opposed faces of the body 1. Secured to opposite faces of the body at the center thereof are disks 3 and 4 which can be connected by rivets 5 or the like. Through these disks and through the center of the body is extended a pivot pin 6 the upper end of which is preferably pointed as at 7 so as to constitute a bearing for the inner end wall of a recess 8 formed within the shank portion 9 of a knob 10. This shank portion is extended through the center of a rotatable disk 11 to which it is firmly connected by means of attaching disks 12 and 13 held together and to the disk 11 by rivets 14 or the like. The marginal portion of the rotatable disk 11 is preferably downturned as shown at 15 and a pointer 16 can be struck from or otherwise displayed on the marginal portion of the disk as shown particularly in Figure 1. Adjacent this pointer the disk is provided with an opening 17 and the inner end wall of the opening can be provided with a pointer 18 as shown in Figure 1.

An arrow-shaped index 19 is mounted to rotate freely on the pin 6, this index bearing downwardly on the disk 4 which serves to space it from the top surface of the body 1. The head 20 of the index has an opening 21 therein while another opening 22 is provided in the tail portion of the index.

The top surface of the body 1 is divided into concentric series of spaces 23, 24, 25 and 26 by circular lines 27. These spaces are all separated by radial lines 28.

Arranged within the outer spaces 23 are pictures, the answers to problems in arithmetic or problems without the answers, the names of objects, etc. In the next series of spaces 24 are arranged data relating to those objects in the spaces 23 at diametrically opposed points. The spaces 24 are adapted to be successively displayed through the opening 22 when the index 9 is rotated about its pivot while the spaces 23 are adapted to be successively designated by the head 20 during the rotation of the index. The spaces 25 can be provided with data for use in playing a game, the spaces in the structure illustrated being provided with numerals and letters so that any one of the spaces can be designated by the indicator 16 when disk 11 is rotated. The inner spaces 26 are provided with data pertaining to various plays that can be made in the game of baseball and any one of these spaces 26 can be viewed through the opening 17 when the disk 11 is rotated.

In practice the toy can be used by "spinning" the indicator 19. If the same comes to a stop with the head pointing to the picture of a fish in one of the spaces 23, the name of the object thus designated will appear in the opening 22. Or, should the picture of a "turtle" be indicated by the head 20 the word "Turtle" would appear in the opening 22. Likewise should the problem 8—3 be indicated by the head 20 the answer would appear in the opening 22 as "5".

The opening 21 is provided primarily as a result of the striking or punching of a finger piece 29 from the indicator 19. This finger piece is adapted to be struck by the finger when the indicator is to be actuated. However by using this opening 21 the data appearing beyond the center of the tail por-

tion of the indicator can be read in connection with the data appearing in the opening 21. For example, and as shown in Figure 1, the problem "8−3" is answered by the numeral "5" appearing in the opening 21.

The same toy can be used for playing a baseball game simply by spinning the disk 11. When it comes to rest one of the possible plays printed or otherwise displayed in the space 26 will appear in the opening 17. As before explained the indicator or pointer 16 can also be used in connection with the data appearing in the space 25 for playing some other form of game based upon stamped selection of characters appearing in the spaces.

By mounting the disk 11 so that it can swing as well as rotate relative to the pin 6 it will be apparent that by spinning the disk the same can be caused to wabble and thus frictionally engage the indicator 19 and cause the same to move therewith. Therefore, by the operation of the central disk, both of the movable parts can be actuated. In other words the indicator 19 can be operated by the wabbling motion of the rapidly rotating disk 11 or it can be actuated by snapping the finger against the upstanding piece 29.

What is claimed is:

A device of the class described including a body having concentric series of spaces, a central bearing pin upstanding from the body, an indicator mounted to rotate freely on the pin and provided with a head for indicating any one of the spaces of one series and an aperture in the tail portion of the indicator through which any one of the spaces in the next adjoining series will be displayed, there being data displayed in the spaces of the outer series and in the spaces of the next adjoining series, a disk mounted to rotate freely upon and be supported by the pin and adapted to wabble on the pin, a knob rotatable with the disk, there being an aperture within said disk through which any one of an added series of spaces will be displayed, said disk, while rotating and wabbling, constituting means for intermittently engaging the indicator frictionally, thereby to rotate the same.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

LEON REVERA PAUL.