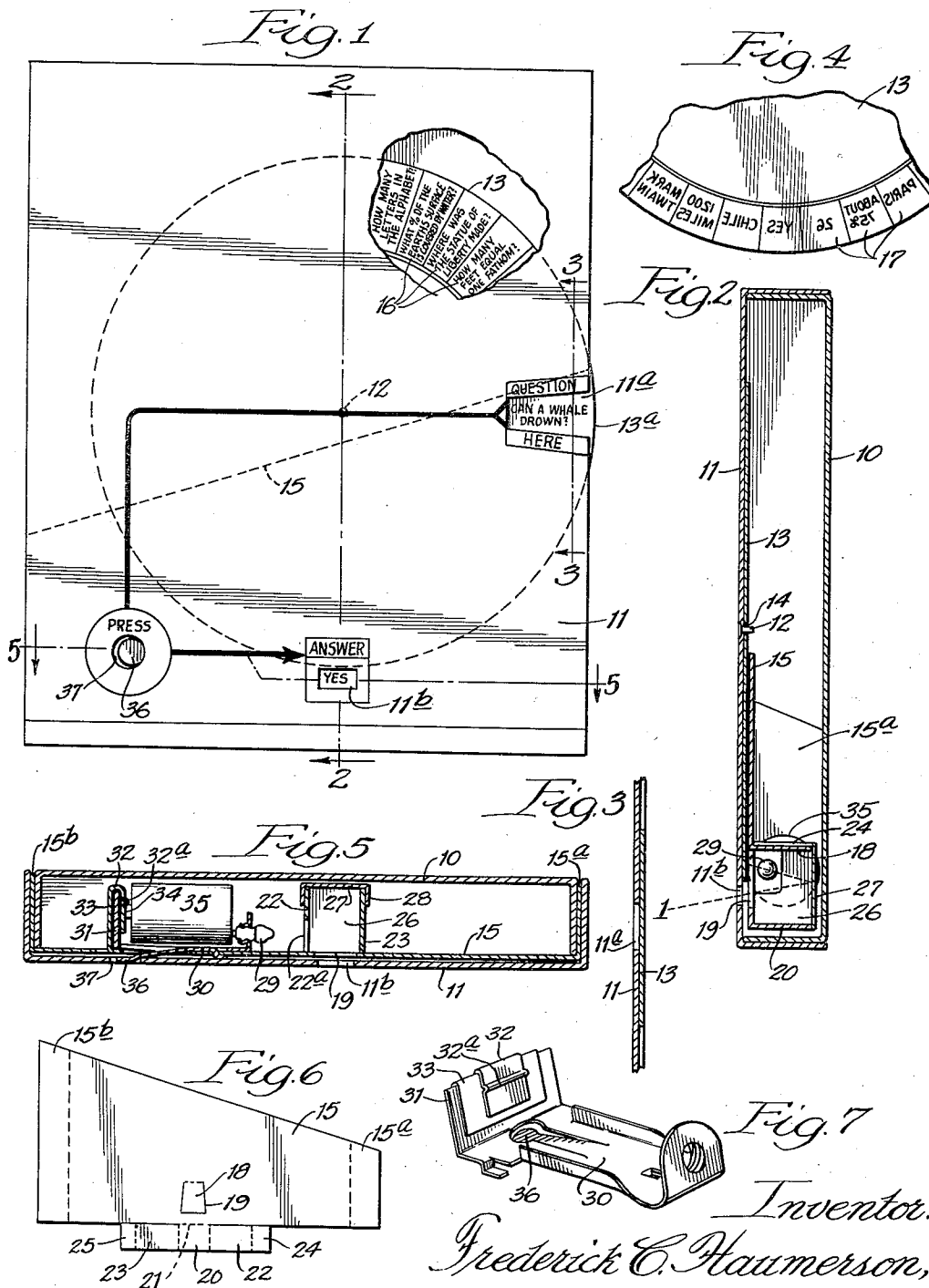


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EDUCATIONAL GAME DEVICE

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EDUCATIONAL GAME DEVICE

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6 Claims. (Cl. 35—74)

An object of this invention is to provide an educational game device which has a novel means for presenting questions and answers.

Still another object is the provision of means for readily changing from one printed set of questions and answers to another.

These and other objects, as will hereinafter appear, are accomplished by this invention which is fully described in the following specification and shown in the accompanying drawing in which—

Figure 1 is a front elevation of the device as viewed on the dotted line 1 of Fig. 2;

Fig. 2 is a section on the line 2—2 of Fig. 1;

Fig. 3 is a partial section on the line 3—3 of Fig. 1;

Fig. 4 is a fragmentary rear view of the disk showing the answers to questions printed in reverse;

Fig. 5 is a transverse view on the broken line 5—5 of Fig. 1;

Fig. 6 is a developed view of the sheet which is later bent as will be described and inserted within the cover of the housing for retaining the disk in place; and

Fig. 7 is a perspective view of a metal bracket and switch for holding an electric lamp bulb and a small dry cell for lighting the same.

The embodiment illustrated comprises a housing or box, preferably made of cardboard, having a bottom 10 and a cover 11, the latter fitting over the former in a well known manner. Within the cover is secured a pin or stud 12 which extends inwardly and which is adapted to serve as a centering means for a display disk 13 which has a hole 14 adapted to fit over the pin. A sheet 15 of cardboard or the like is preferably cut diagonally as shown in Figs. 1 and 6 and is placed within the cover and spaced somewhat from the inside surface of the cover as shown in Fig. 2 to provide a means for frictionally holding the disk 13 in contact with the inner surface of the cover. The sheet 15 has at its ends up-turned ears 15^a and 15^b which are glued to the inner sides of the cover to secure the sheet in place.

A series of questions as in Fig. 1 are printed on one face of the disk 13, each question being located within a definite sector 16 on the disk. The edge 13^a of the disk preferably passes through a slot in the side of the cover 11 so that it can be manually rotated by the operator. The cover is also cut away at 11^a, Fig. 1, to provide a space which will be substantially the size of one of the sectors 16 and which is so located

that as the disk is rotated, each of the sectors 16 on the disk can be brought into registration with the opening 11^a so that the operator can then read the question or other matter which is printed within the space on the disk.

The answers to the questions, riddles or the like are printed in reverse type on the reverse side of the disk 13 as shown in Fig. 4. Each of these occupies a space 17 and the spacing of the answers bears a definite relation to the sectors of the question so that as each question appears in the opening 11^a, the answer can be read through an opening 11^b in the cover as will now be described.

The sheet 15 is provided with an up-struck tongue 18 which provides an opening 19 which registers with the opening 11^b in the cover as shown in Figs. 2 and 5. The sheet 15 also has a laterally extending flap 20 which is adapted to be bent up along the dotted line 21 so as to stand at right angles to the body of the sheet 15 and the flap 20 has side flaps 22, 23 which in turn are adapted to be bent at right angles to the flap 20. The flaps 22 and 23 have end flaps 24 and 25 which are also adapted to be bent at right angles so as to engage the upstanding ear 18 to form a small compartment 26 as is shown in Figs. 2 and 5. This compartment is covered by means of a sheet of tin 27 which has downwardly extending ears 28 which fit over and are secured to the compartment. The inner surface of this tin is highly polished to serve as a mirror. The flap 22 is cut away at 22^a to provide a means for illuminating the portion of the disk registering with the opening 19. This illumination is accomplished by means of a small electric light bulb 29 which has a threaded base which is screwed into a metal support 30, the latter being secured to the sheet 15. The support 30 has an upstanding portion 31 which carries a metal electrode 32, the latter being insulated from the portion 31 by means of a suitable electric insulator 33. The electrode 32 is provided with a small hump 32^a which is adapted to engage the center terminal 34 of an electric dry cell 35, the metal bottom of the dry cell making contact with the center electrode of the electric lamp bulb 29. The metal support 30 is provided with an upstruck tongue 36, the end of which lies in front of a hole 37 in the housing cover. The tongue 36 is normally out of contact with the metal electrode 32, but upon being depressed by the finger of an operator, will make electric contact therewith thereby causing current from the dry cell to pass through the electric lamp

causing it to light and to illuminate the answer on the space 17 which is then in front of the opening 11^b.

A number of disks 13 covering various subjects such as history, biology, riddles, true or false statements, and the like may be prepared for use with this device, each disk carrying preferably on the reverse side the answers to each of the several questions. To use one of these, the operator inserts the disk over the pin 12 and under the sheet 15 and forces the sheet in until the opening 14 registers with the pin. He then places the cover on the bottom 10 and manually rotates the disk until the desired question appears in the opening 11^a. He then presses the tongue 36 causing the lamp 29 to illuminate the reverse side of the disk so that the answer can then be read in the opening 11^b. Competitive games can be operated in a group using the questions as read, one at a time, from the disk while the answers are hidden until disclosed by pressing the tongue 36. As rapidly as one disk is thus exhausted, another can be substituted for it.

I claim:

1. In apparatus of the class described, a housing having a plurality of openings, a disk rotatably mounted therein for rotation about a center and having a series of questions printed thereon and adapted to register one at a time with one of the openings and having a series of answers each adapted to register with the other opening so that question and answer appear simultaneously, the answers being printed on the reverse side of the disk from the questions, and a mirror for reflecting the answer through the opening.

2. In apparatus of the class described, a housing having a plurality of openings, a disk rotatably mounted therein for rotation about a center and having a series of questions printed thereon and adapted to register one at a time with one of the openings and having a series of answers each adapted to register with the other opening so that question and answer appear simultaneously, the answers being printed on the reverse side of the disk from the questions, an electric light for illuminating the answer operable by an operator, and a mirror for reflecting it through the opening.

3. In apparatus of the class described, a housing having a plurality of openings, a disk rotatably mounted therein for rotation about a center and having a series of questions printed thereon and adapted to register one at a time with one of the openings and having a series of answers each adapted to register with the other opening so that question and answer appear simultaneously, the disk being flexible and having a central hole, a pin carried by the housing and adapted to enter the hole for centering the disk for rotation, and means for yieldably holding

the disk on the pin, the flexibility of the disk permitting it to be bent to pass over the pin on insertion and removal.

4. In apparatus of the class described, a housing having a plurality of openings, a flexible disk having a central hole and rotatably mounted in the housing for rotation about a pin and having a series of questions thereon and adapted to register one at a time with one of the openings and having a series of answers each adapted to register with the other opening so that question and answer appear simultaneously, a stud carried by the housing and adapted to enter the hole for centering the disk for rotation, and a sheet secured closely adjacent a flat portion of the housing and lying at one side of the pin so that the disk can be flexibly inserted between the housing and sheet to yieldably hold the disk on the pin and to provide friction for the disk.

5. In apparatus of the class described, a housing having a plurality of openings, a flexible disk having a central hole and rotatably mounted in the housing for rotation about a pin and having a series of questions thereon and adapted to register one at a time with one of the openings and having a series of answers each adapted to register with the other opening so that question and answer appear simultaneously, a stud carried by the housing and adapted to enter the hole for centering the disk for rotation, a sheet secured closely adjacent a flat portion of the housing and lying at one side of the pin so that the disk can be flexibly inserted between the housing and sheet to yieldably hold the disk on the pin and to provide friction for the disk, the answers being located on the reverse side of the disk from the questions, and a mirror for reflecting the answer through the opening.

6. In apparatus of the class described, a housing having a plurality of openings, a flexible disk having a central hole and rotatably mounted in the housing for rotation about a pin and having a series of questions thereon and adapted to register one at a time with one of the openings and having a series of answers each adapted to register with the other opening so that question and answer appear simultaneously, a stud carried by the housing and adapted to enter the hole for centering the disk for rotation, a sheet secured closely adjacent a flat portion of the housing and lying at one side of the pin so that the disk can be flexibly inserted between the housing and sheet to yieldably hold the disk on the pin and to provide friction for the disk, the answers being located on the reverse side of the disk from the questions, electric means under control of an operator for illuminating the answer, and a mirror for reflecting the answer through the opening.

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