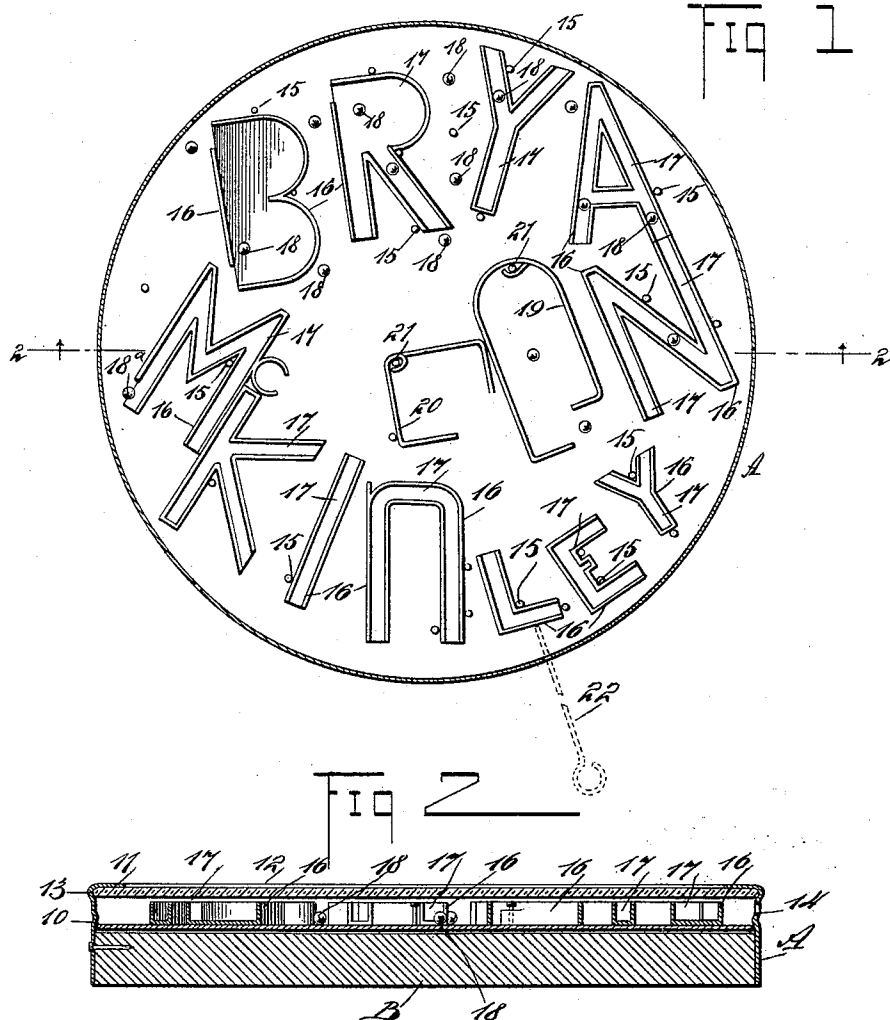


(No Model)

J. H. McCARVILLE.
PUZZLE.

No. 582,941.

Patented May 18, 1897.



WITNESSES:
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JOSEPH H. MCCARVILLE, OF CENTREVILLE, IOWA.

PUZZLE.

SPECIFICATION forming part of Letters Patent No. 582,941, dated May 18, 1897.

Application filed March 5, 1897. Serial No. 626,002. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH H. MCCARVILLE, of Centreville, in the county of Appanoose and State of Iowa, have invented a new and Improved Puzzle, of which the following is a full, clear, and exact description.

The object of my invention is to provide a puzzle which will be entertaining, and while in a measure simple will require considerable skill in properly solving it.

A further object of the invention is to construct a puzzle which will embrace a series of channeled letters capable of being placed in different positions on the board and a number of rolling objects adapted to be guided through the channels of the letters to reservoirs prepared to receive them.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a horizontal section through the casing for the puzzle, taken immediately below the top; and Fig. 2 is a longitudinal vertical section through the entire puzzle, taken substantially on the line 2 2 of Fig. 1.

A shell A, preferably of metal, is secured to a base B, which may be of wood, and the shell A is usually of circular form. Within the shell at the top of the bottom portion B a flooring 10 is secured or located, which flooring may be and usually is of metal. The top of the shell A is open and is provided with an inwardly-extending marginal flange 11, beneath which a glass or transparent pane 12 is located, being fitted ordinarily in a suitable annular recess in the shell, as shown in Fig. 2.

One or more openings 14 are made in the shell between the glass 12 and the bottom 10, and upon the bottom 10 a number of studs or pins 15 are secured in predetermined arrangement, the said pins being adapted to support in an adjustable manner letters 16, which are usually made of metal, but may be constructed from any other desired material. Each letter is provided with a marginal flange forming channels 17 therein, sundry of which

channels are closed and sundry of them open.

In fact, in each letter an exit and an inlet opening are provided. The letters are so made that they may member one with the other in such manner as to bring sundry of their channels in communication, as shown at the right in the upper portion of Fig. 1, in which the letter A and the letter N are brought to the position mentioned. The letters may be moved, so as to bring them in the position just described, through the medium of a wire 22 or a pointer of any description passed through one or the other of the openings 14, as shown in dotted lines in Fig. 1.

In the drawings the letters are such as to spell the words "Bryan" and "McKinley." The letters may be of uniform length, or sundry of the letters may be shorter than others. In connection with a puzzle having letters producing the names just mentioned sixteen silver-colored balls or rolling objects 18 are employed, and a single ball or rolling object having a gold color. A frame 19, forming a pen and having a suitable inlet-opening, is adapted to finally receive the sixteen silver balls after they have been successively passed through the channels of all of the letters forming the word "Bryan," and a second and smaller frame 20, constituting a second pen and having an inlet-opening, is provided as the final receptacle for the single gold-colored ball (designated as 18^a) after the said ball has been passed through the channels of the letters forming the word "McKinley." Both frames 19 and 20 are placed on pivots 21, so that their positions may be shifted as required to cause the balls destined to be received by them to enter said frames. The bottom of the shell may be integral with its sides, and the studs or pins 15 may be stamped from the flooring or partition 10.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

1. A puzzle consisting of a board, characters adjustably supported on the board, and rolling objects arranged to pass over the characters, as and for the purpose specified.

2. A puzzle consisting of a board, characters adjustably supported on the board, rolling objects arranged to pass over the characters, and receivers for the rolling objects,

independent of the characters and likewise supported on said board, as and for the purpose set forth.

3. A puzzle consisting of a support, channeled characters adjustably secured on said support, and rolling objects arranged to pass through the channeled portions of the characters, as and for the purpose set forth.

4. A puzzle consisting of a support, channeled characters adjustably secured on said support, rolling objects arranged to pass through the channeled portions of the characters, and receptacles for the rolling objects, adjustably placed on the said board, being independent of the aforesaid channeled characters, as and for the purpose specified.

5. A puzzle consisting of a casing having a closed bottom and a transparent top, and pins secured to the bottom, characters adjustably supported on said pins, the said characters being provided with channels, rolling objects held to travel over the bottom and adapted to be passed through the channeled portions of

the characters, and receivers for the rolling objects, independent of the characters, as and for the purpose specified.

6. A puzzle consisting of a casing having a closed bottom and a transparent top and pins secured to the bottom, characters adjustably supported on said pins, said characters being provided with channels, rolling objects held to travel over the bottom and adapted to be passed through the channeled portions of the characters, receivers for the rolling objects, independent of the characters, the said casing being provided with openings leading into its interior, and a rod adapted to be passed through said openings to an engagement with any of the characters, for the purpose of shifting their positions, as and for the purpose specified.

JOSEPH H. MCCARVILLE.

Witnesses:

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