

No. 855,196.

PATENTED MAY 28, 1907.

W. D. McMILLAN.

PUZZLE.

APPLICATION FILED JULY 2, 1906.

FIG. 1

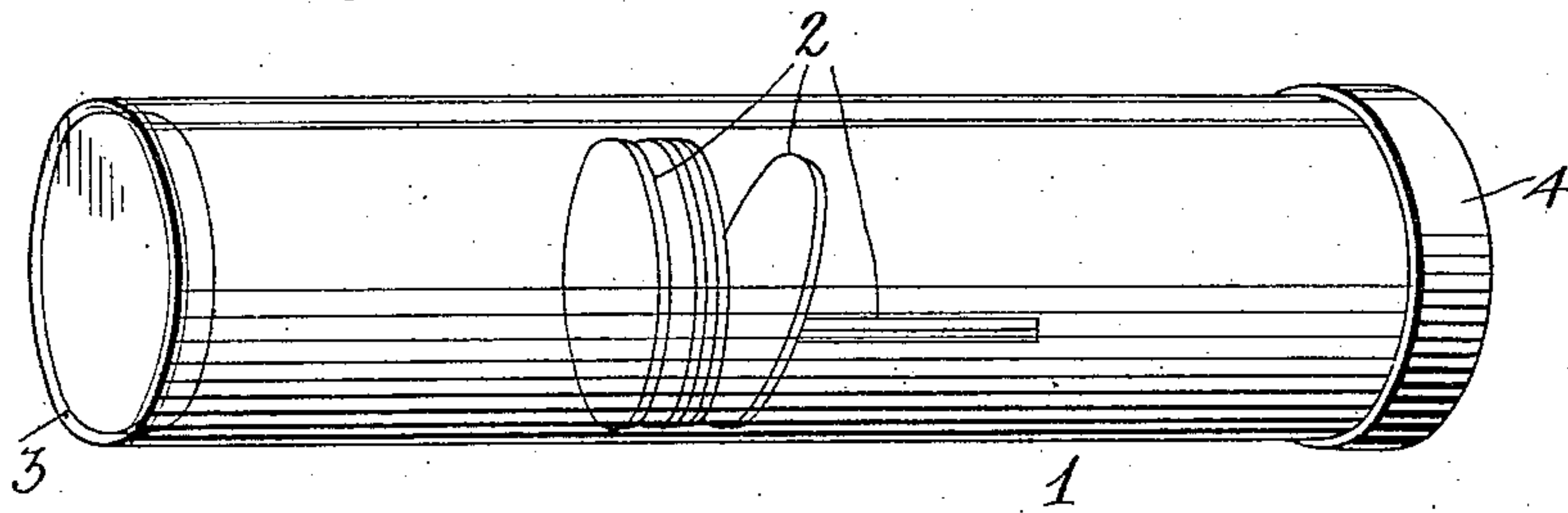


FIG. 2

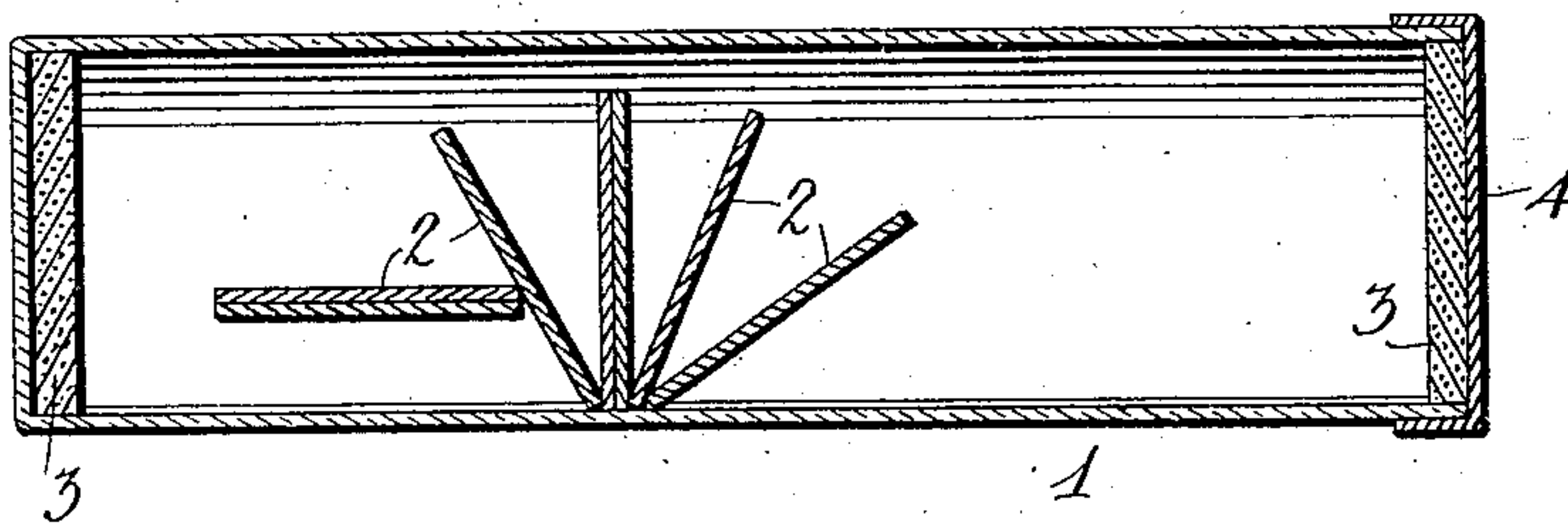


FIG. 3



Witnesses

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WILLIAM D. McMILLAN, OF UNION, OREGON.

PUZZLE.

No. 855,196.

Specification of Letters Patent.

Patented May 28, 1907.

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To all whom it may concern:

Be it known that I, WILLIAM D. McMILLAN, a citizen of the United States, residing at Union, in the county of Union and State of Oregon, have invented certain new and useful Improvements in Puzzles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to puzzles.

The object of the invention is to provide a puzzle which will require considerable skill and patience to work it out, and which may be arranged to form an educational or instructive device.

With the above and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings:—Figure 1 is a perspective view of the puzzle complete; Fig. 2 is a longitudinal sectional view of the same; and Fig. 3 is a perspective view of one of the disks forming a part of the puzzle.

Referring more particularly to the drawings, 1 denotes the body of the puzzle, which is here shown and is preferably in the form of a tube closed at both ends and constructed of any suitable material, the same being here shown and is preferably constructed of glass or other transparent material.

Within the tube 1 is arranged a number of disks 2, the diameter of which are such that the same may pass each other in the tube when the latter is properly manipulated. In the opposite ends of the tube are preferably arranged cushioning devices 3, which may be formed of cork or any other suitable material, and which prevent the disks from forcibly striking the ends of the tube when the latter is shaken. The disks 2 may be constructed of any suitable material and are formed in such a manner as to be readily distinguished from each other, either by providing the same in different colors or numbering or lettering them, said numbers or letters being placed on the disks in any suitable place to be readily seen.

One method of preparing the disks would be to provide seven disks marked or colored to represent the colors of the solar spectrum. The puzzle in this instance would be to ar-

range the disks to bring the colors in the relative positions they occupy in the spectrum. Another method of preparing the disks would be to provide a sufficient number of disks and to place on each a letter of the alphabet. The puzzle in this instance would be to arrange the disks to bring the letters in proper order. In the same manner the disks may be provided with numerals, and shifted to bring the numerals in proper consecutive order or to any other desired positions.

By constructing a puzzle as above described, the same may be used for teaching colors, letters, or numbers and would thus provide an instructive device as well as a puzzle.

While I have described several ways in which the disks may be prepared, it is obvious that other arrangements and markings of the disks will suggest themselves and may be used within the limits of the invention.

In the present instance, the tube 1 is shown as being closed at one end by a removable stopper 4; it is obvious, however, that said end may be permanently sealed or closed after the disks have been placed therein.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention, as defined by the appended claims.

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

A puzzle comprising a transparent closed tube, interiorly unobstructed from end to end, cushioning devices arranged at the tube terminals, and a series of distinctively marked disks arranged in the tube and being of such size as to be readily shifted past each other.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILLIAM D. McMILLAN.

Witnesses:

C. E. COCHRAN,
G. W. BENSON.