

No. 688,561.

Patented Dec. 10, 1901.

F. VOLK, JR.

PUZZLE.

(Application filed June 28, 1901.)

(No Model.)

Fig. 1.

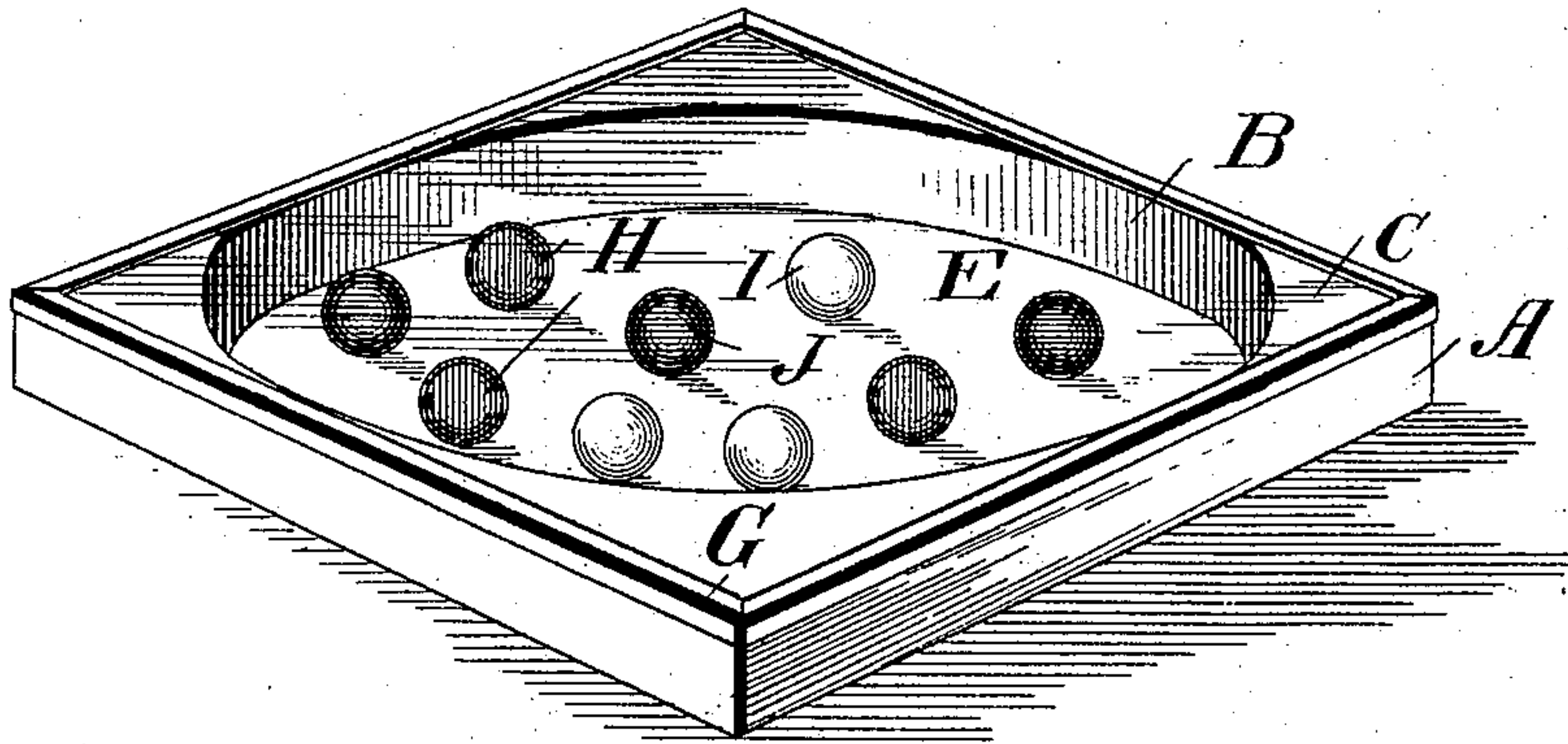


Fig. 2.

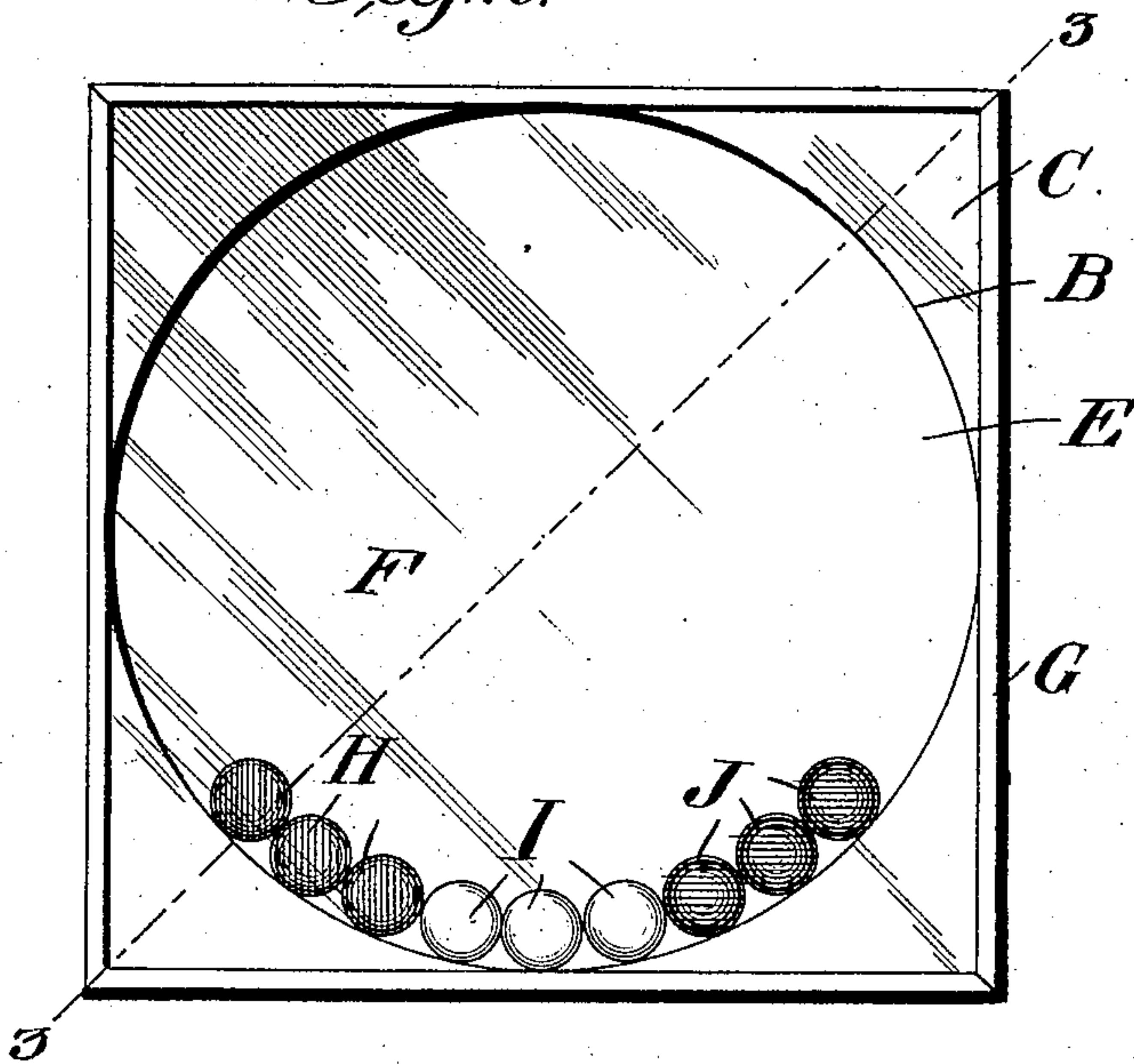
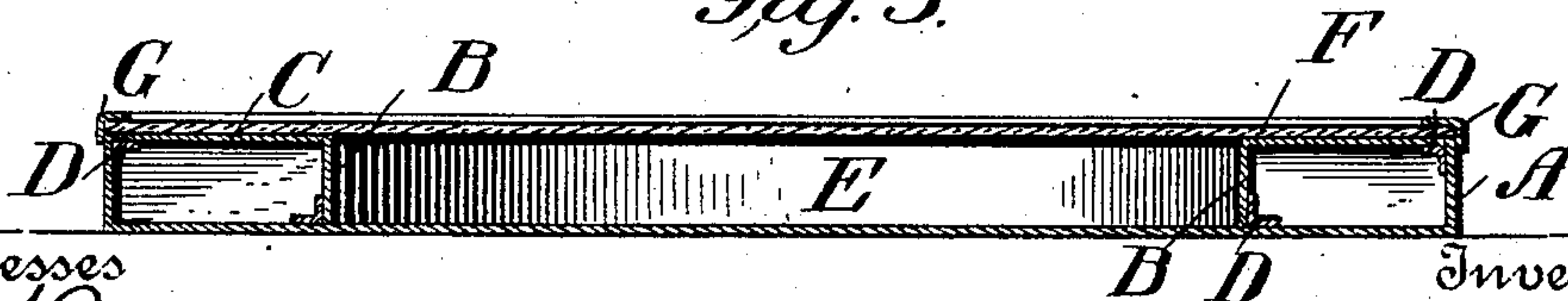


Fig. 3.



Witnesses

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# UNITED STATES PATENT OFFICE.

FREDERICK VOLK, JR., OF PHILADELPHIA, PENNSYLVANIA.

## PUZZLE.

SPECIFICATION forming part of Letters Patent No. 688,561, dated December 10, 1901.

Application filed June 28, 1901. Serial No. 86,430. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK VOLK, Jr., a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Puzzles; and I do hereby 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.

My invention relates to improvements in puzzles, and has for its object to provide a simple and novel device for exhibiting the national colors as well as providing a source of amusement.

It also contains several features of novelty that will hereinafter appear.

Referring to the drawings, Figure 1 is a perspective view of the puzzle. Fig. 2 is a plan view of the same; and Fig. 3 represents a diagonal section taken on the line 3-3, Fig. 2.

A represents the inclosing case, preferably rectangular in shape, within which is secured the circular partition or ring B, having the corner-sections C, said partition being secured to the case A by means of the stays D D. This circular partition or band B within the inclosing case A changes the shape of inside of the case, said partition transforming the square space into a circular space or field E.

Covering the face of the inclosing case A and resting upon the top of the circular partition B is placed a square glass plate F, retained in position by the clips G. Located within this circular field E are three sets of balls of different colors, H representing red, I white, and J blue, three of each being shown. These balls are free to roll within the field E,

the direction of their movement only being determined by the tilt or slant that is given the case A, the glass plate F being employed to retain the balls and prevent their loss when the case A is inverted.

The puzzle is manipulated as follows: The object of the puzzle is to line the balls up in one row, the three red balls occupying the left-hand end of the line, the white the middle, and the blue the right-hand end of the line, as shown in Fig. 2. Starting with the balls completely scattered, as shown in Fig. 1, the case is tilted in one direction and then another in order to move the balls into the desired positions, such manipulation being continued until the balls are correctly arranged. (See Fig. 2.)

The case and its partition B may be made of any suitable material—such as thin sheet metal, pasteboard, thin wood, or the like—as may be desired, and the same may be decorated, as desired, to make an attractive appearance.

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

A puzzle comprising a case provided with a plane circular unobstructed field, a circular wall inclosing the said field, and a plurality of differently-colored balls free to move in said field, whereby a predetermined arrangement of the balls in groups according to color is to be effected, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

FREDERICK VOLK, JR.

Witnesses:

EDWIN L. CARSON,  
CHRISTIAN DORN.