

(No Model.)

A. W. BARTHOLOMEW.
PUZZLE.

No. 527,925.

Patented Oct. 23, 1894.

Fig. 1.

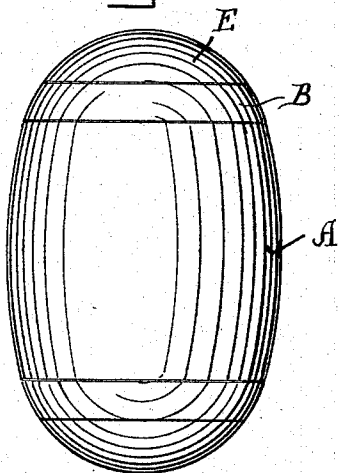


Fig. 2.

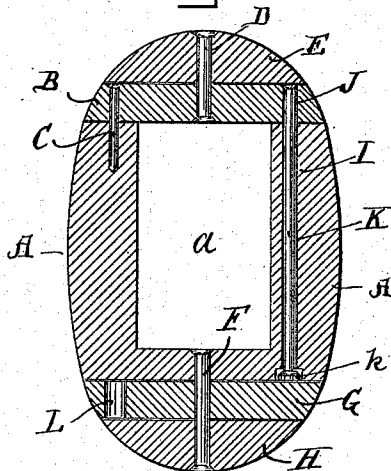


Fig. 3.

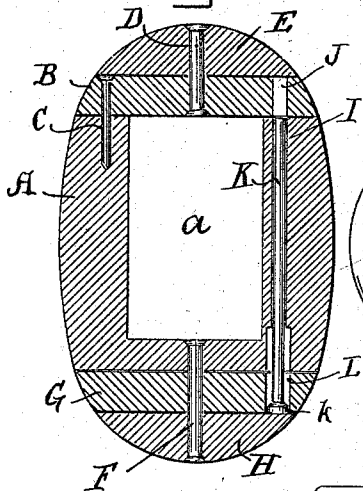


Fig. 4.

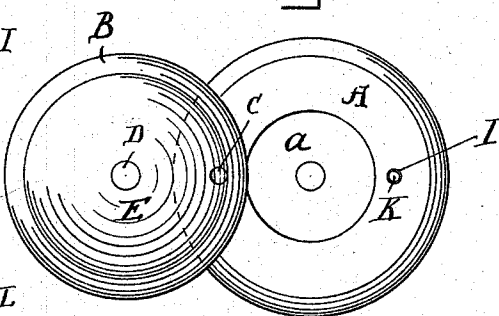
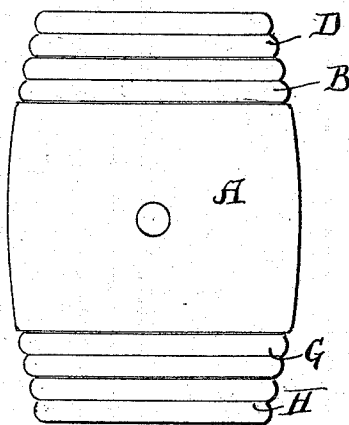


Fig. 5.



Witnesses.

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UNITED STATES PATENT OFFICE.

ALBERT W. BARTHOLOMEW, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF
ONE-HALF TO LORENZO C. PAUL, OF SAME PLACE.

PUZZLE.

SPECIFICATION forming part of Letters Patent No. 527,925, dated October 23, 1894.

Application filed January 24, 1894. Serial No. 497,878. (No model.)

To all whom it may concern:

Be it known that I, ALBERT W. BARTHOLOMEW, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Puzzles, of which the following, taken in connection with the accompanying drawings, is a specification.

The object of my invention is to produce a puzzle box or receptacle that can be locked or unlocked by a locking pin held or released by the movement of a rotating disk, and the invention consists of a central body forming the box or receptacle having two disks at each end, the disks at one end forming the cover and being eccentrically pivoted to the body so that they can be pushed on one side when released, the inner one of said disks being formed with a hole to receive a locking pin and one of the disks at the other end being formed with a recess into which the locking pin falls to release the upper disks as herein-after fully described and pointed out in the claim.

Referring to the accompanying drawings: Figure 1—represents a side view of a puzzle box embodying my invention, arranged in the form of a darning ball. Fig. 2—is a vertical section of the same showing it in the locked position. Fig. 3—is a similar view showing the locking pin in the position to release the cover. Fig. 4—is a plan or top view showing the cover open. Fig. 5—is a side view showing the box or receptacle in the form of a barrel.

A, represents the body of the box or receptacle which is preferably of a cylindrical form and which is formed with a chamber *a*, to receive any desired article or articles. To one end of the body A, is secured a disk B, by a pin C. To the disk B, by a central pin D, is attached a disk E. To the lower end of the box or receptacle by a central pin F, are secured two revolving disks G, H.

In one side of the body A, opposite the pin C, is formed a vertical hole I, and in the disk B, is a corresponding hole or recess J. In the hole I, is placed a locking pin K, adapted to slide vertically, the head *k* of which fits into an enlarged recess in the body A, at the lower end of the hole I.

In the disk G, is formed a hole L that registers with the hole I, when in the position for

unlocking, so that the locking pin K, will fall therein thus releasing the upper disk B, so that it and with it the disk E, can be turned on one side so as to expose the opening *a*, as will be best seen in Fig. 4.

The operation is as follows: Supposing the box to be in the closed position, that is to say, with the locking pin K, projecting up into the disk B, and it is desired to open the box, then the disk G, is turned until the hole L, in the disk G registers with the hole I, in the body A, when the locking pin K, will fall therein thus releasing the disk B, so that it and with it the disk E, may be pushed on one side so as to uncover the hole or opening *a*, in the body A. To lock the box the disks B, E, are pushed into their normal position which allows the locking pin K, to fall into the opening J, therein. The disk G, is then partially rotated and the box is locked.

It will be seen that by having both ends constructed alike, the person trying to open the same does not know one end from the other, and as the disks E, H, G, are always free to be rotated, he does not know which has to be operated to release the cover.

I prefer to make the puzzle box in the form shown so that it can be used for a darning ball, but it could be made in the form of a barrel as shown in Fig. 5, or of any other desired shape.

What I claim is—

A puzzle box consisting of a hollow body, two disks at each end of same, the disks at the upper end being pivoted centrally to each other and eccentrically to the body so that they can be moved laterally to expose the opening in the body, and the disks at the lower end being pivoted centrally to the body, a locking pin passing through the body and openings in the inner disks at each end adapted to register with the opening in the body containing the locking pin substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 2d day of January, A. D. 1894.

ALBERT W. BARTHOLOMEW.

Witnesses:

WM. H. COOK,
EDWIN PLANTA.