

No. 622,354.

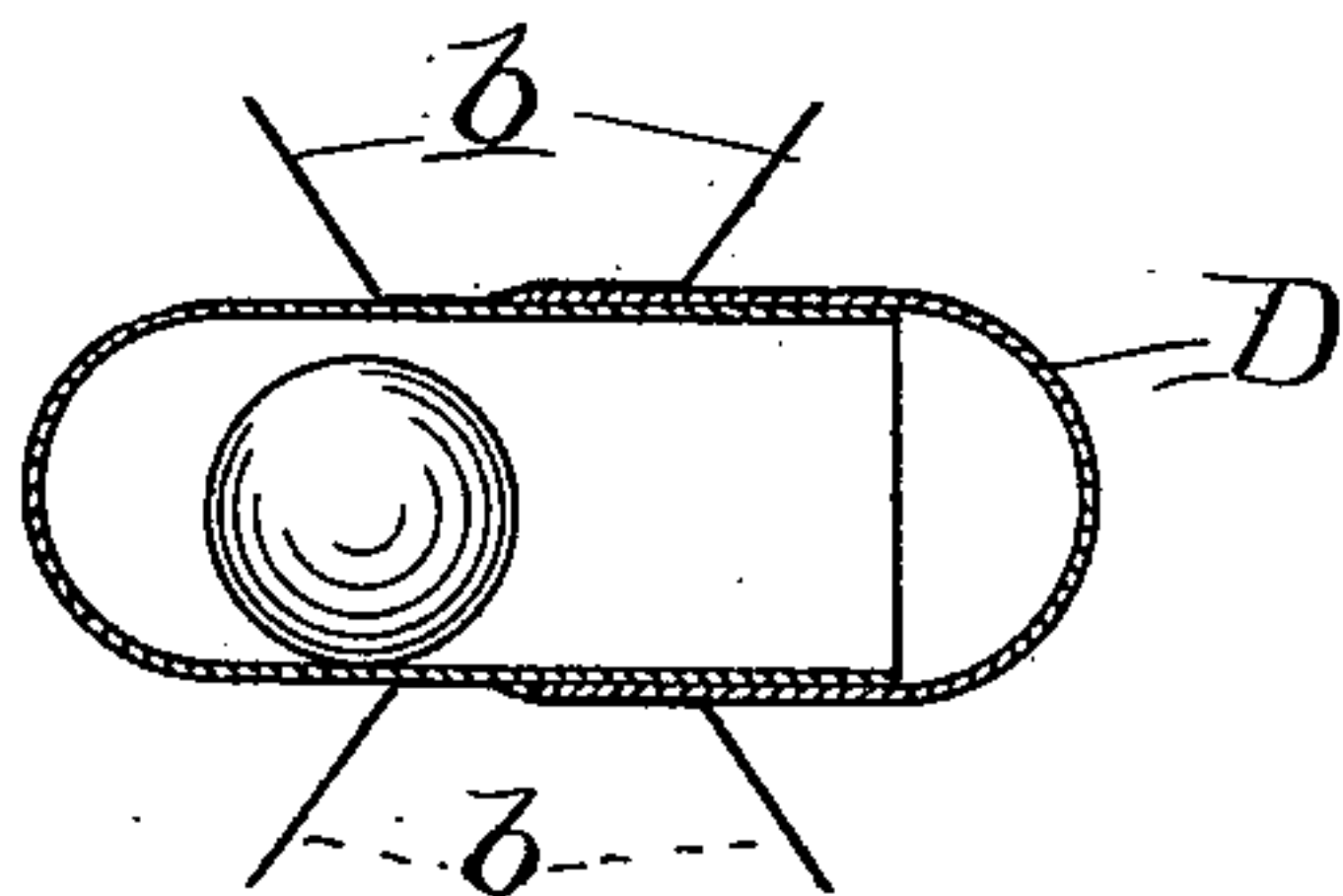
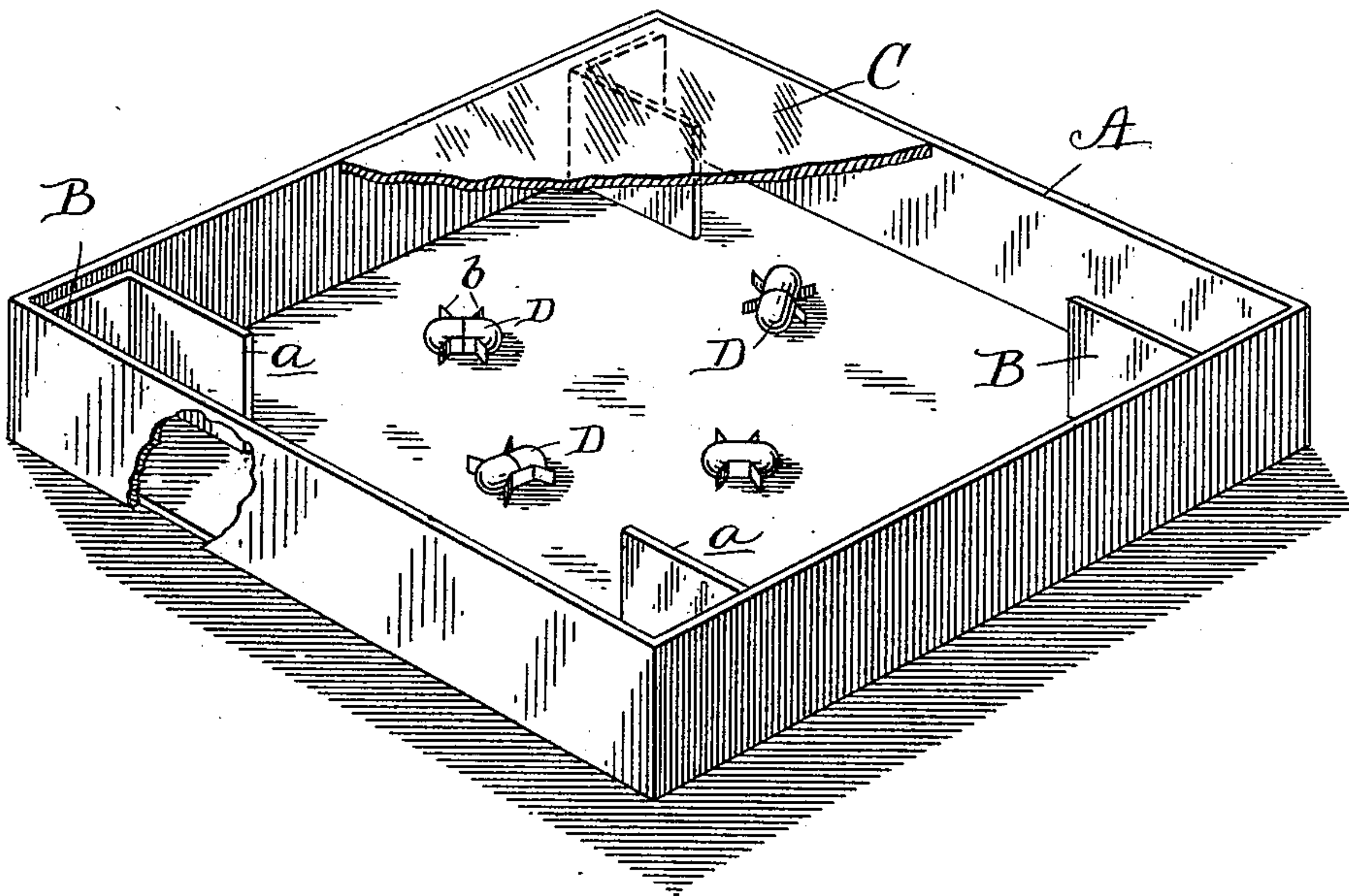
Patented Apr. 4, 1899.

J. A. HARVEY.  
PUZZLE.

(Application filed Dec. 29, 1897.)

(No Model.)

*Fig. 1.*



*Fig. 2.*

*Witnesses*

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# UNITED STATES PATENT OFFICE.

JAMES A. HARVEY, OF TORONTO, CANADA.

## PUZZLE.

SPECIFICATION forming part of Letters Patent No. 622,354, dated April 4, 1899.

Application filed December 29, 1897. Serial No. 664,483. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES ARTHUR HARVEY, of the city of Toronto, in the county of York and Province of Ontario, Canada, have  
5 invented certain new and useful Improvements in Puzzles, of which the following is a specification.

The object of my invention is to devise a simple and entertaining puzzle or game; and  
10 it consists, essentially, of a box provided with a flat bottom, two or more stalls located at different parts of the bottom, and of a corresponding number of capsules, each containing a globular weight, the puzzle being to so  
15 manipulate the box as to place one capsule or "brownie" in each stall, substantially as hereinafter more specifically described and then definitely claimed.

Figure 1 is a perspective view of my puzzle  
20 or game. Fig. 2 is a cross-section of one of the capsules or brownies used therewith.

In the drawings like letters of reference indicate corresponding parts in both figures.

In Fig. 1, A is a shallow box, preferably of  
25 cardboard. In the corners of the box I form stalls B, preferably one in each corner. These stalls are formed by L-shaped strips of card a, which are securely glued or otherwise fastened to the sides of the box and its bottom.  
30 Upon the cardboard strips a rests the glass cover C, which in the drawings is shown broken away, except at the far corner.

D are small capsules, forming what I call  
35 "brownies," which are provided with the paper legs b.

The object of the game is to so manipulate the box as to place one of these brownies in each of the stalls B. The task would be comparatively easy but for the special construction of these brownies, which is illustrated in  
40 Fig. 2.

It will be seen that the capsule D is of the ordinary construction of the gelatin capsule used to contain medicines; but it is provided  
45 within with a small shot E, which, rolling from end to end when the capsule is upon an inclined surface, gives the latter the peculiar erratic jumping motion which constitutes the chief obstacle to placing any given brownie in  
50 any given position. The paper legs or projec-

tions b tend to render the movements of the brownies still more lively and erratic and prevent them from rolling sidewise.

In order to render the task of placing the brownies in the desired positions simpler  
55 than it would otherwise be, the bottom of the box is preferably of flexible cardboard, so that it may be pressed upon centrally to form a ridge sloping to two opposite sides of the box. When the box is so manipulated as to  
60 get two brownies on each side of this ridge, the task of getting them into the desired corners is much simplified.

Although I show four stalls in the box, a  
65 fewer or larger number may be employed, according as it is desired to make the puzzle simpler or more difficult of solution.

In some cases it may be advisable to use a plurality of capsules, but have only a portion  
70 of them provided with the shot E. For instance, four brownies might be used and only one or two of them have the shot E inclosed, and as those having the shot can only be distinguished from those without by the manner  
75 in which they move it might thus be rendered more difficult to place all the brownies in their stalls.

From the above description it will be seen that I have devised an entertaining and amusing puzzle which is both simple and cheap to  
80 construct.

What I claim as my invention is—

1. As a puzzle, a rectangular box provided with a flexible bottom and a stall in each of its four corners, in combination with a similar  
85 number of elongated capsules, one or more of which contain a small globular weight and are provided with paper legs, substantially as and for the purpose specified.

2. In a puzzle, an elongated capsule containing a small globular weight, in combination  
90 with legs of paper or other simple material connected to the outside of the capsule, substantially as and for the purpose specified.

Toronto, December 17, 1897.

JAMES A. HARVEY.

In presence of—

JOHN G. RIDOUT,  
J. EDW. MAYBEE.