No. 675,478. Patented June 4, 1901.

J. A. HARKRIDER.

GAME APPARATUS.

(Application filed Nov. 2, 1900.)

(No Model.)

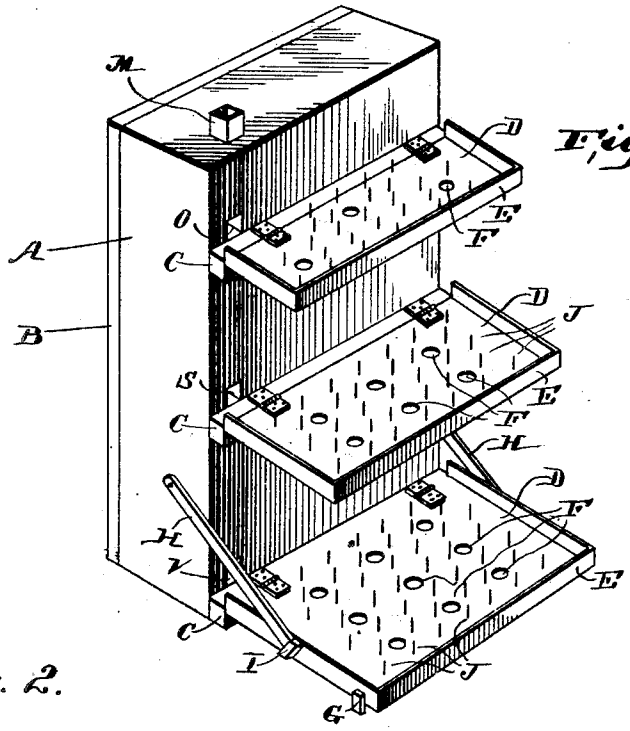


Fig. 1.

Fig. 2.

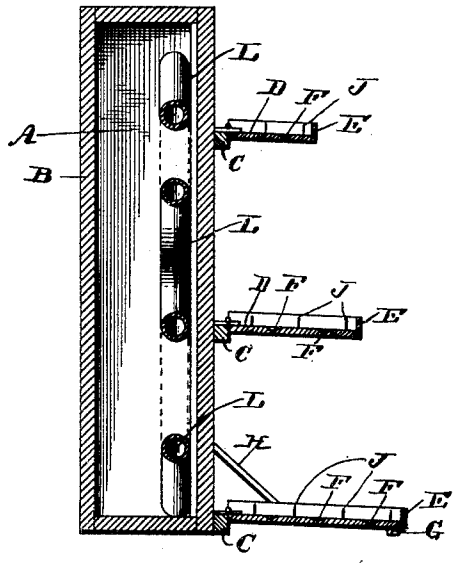
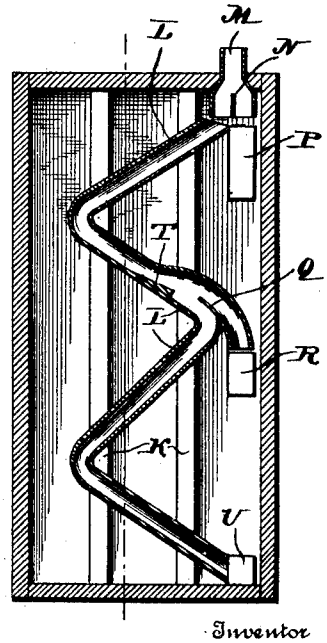


Fig. 3.



Witnesses

G. H. Walmsley.

Clarence Shaw.

Inventor

John A. Harkrider

By Pierce & Co Attorneys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN ALLISON HARKRIDER, OF CHENOA, ILLINOIS.

GAME APPARATUS.

SPECIFICATION forming part of Letters Patent No. 675,478, dated June 4, 1901.

Application filed November 2, 1900. Serial No. 35,276. (No model.)

To all whom it may concern:

Be it known that I, JOHN ALLISON HARKRIDER, a citizen of the United States, residing at Chenoa, in the county of McLean and State of Illinois, have invented a new and useful Game Apparatus, of which the following is a specification.

This invention relates to an improved game apparatus; and the object is to provide a simple and improved apparatus by means of which an amusing and instructive game may be played.

With the above object in view the invention consists in the novel features of construction hereinafter fully described, particularly pointed out in the claims, and clearly illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view of the game apparatus embodying my invention; Fig. 2, a vertical sectional view of the same, and Fig. 3 a similar view taken at right angles thereto.

Referring now more particularly to the drawings, A designates a box or casing provided with a door B in its rear side and having cleats C secured across its front side, said cleats being arranged one above the other. Hinged to said cleats are the shelves D, provided about their edges with retaining strips or flanges E and formed with depressions or pockets F. Beginning at the upper shelf, each of the other shelves is gradually increased in width. The lower shelf is provided with feet G to rest upon the table or other support. To prevent the box from tipping forward, braces H are provided, which are pivoted to the sides of the box adjacent to the lower shelf and are swung downwardly until their lower ends abut against shoulders I, formed on the sides of the lower shelf. The shelves are so hinged to the cleats that when swung downwardly they extend at an inclination to the box. Deflecting-pins J are arranged upon each of the shelves for the purpose of deflecting the marbles with which the game is played to the several pockets.

Arranged within the box by being secured to strips K is a zigzag chute or way L, having its upper end terminating short of the top of the box. Arranged in the top wall of the box and projecting therefrom and depending thereinto is a spout M, having its projecting end formed with a passage of substantially the same size as the marbles with which the game is played and its inner end flared to about twice the size of said marbles. The passage in the inner flared end is divided by a partition N into two passages, the inner one of which communicates with the way L. The other passage communicates with an opening O, formed in the front wall of the box and leading to the uppermost shelf, by means of a way P.

The zigzag way L is enlarged intermediate its ends and divided at said enlargement by a partition Q into two passages, the outer one of which communicates by means of a way R with an opening S in the casing leading to the intermediate shelf. The other passage communicates with the lower portion of the way L. Arranged in the way above the partition Q is an inclined or wedge-shaped block T for the purpose of deflecting the marbles and rendering the chances of the same passing upon the second table or continuing in the way L about equal.

The lower end of the way L communicates by a short way U with an opening V, formed in the casing and leading to the lower shelf.

The game is played by dropping the marbles into the spout, the marbles passing downwardly and onto the shelves according to the course taken. The pockets have certain numerical values, and the count is thus made.

It will be seen from the above description that I have produced a very amusing game, which at the same time is particularly instructive to children, as it assists them in adding numbers.

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

1. A game apparatus comprising a casing having a zigzag way arranged therein and formed with openings with which the way communicates, partition-walls arranged at the point of communication between the way and the openings of the casing, and shelves arranged upon the exterior of the casing and provided with pockets and deflecting-pins, substantially as described.

2. A game apparatus comprising a casing formed with a plurality of openings in its front wall, a plurality of shelves arranged on

the exterior of said casing at said openings and formed with pockets, a zigzag chute arranged within the casing and having its lower end communicating with the lowermost opening and having communication intermediate its ends with the intermediate opening of the casing, a deflector arranged at said intermediate communication, and a divided entrance to the upper end of the chute through the upper wall of the casing, one of the divisions of said entrance communicating with the upper end of the chute and the other uppermost opening of the casing, substantially as described.

3. A game apparatus comprising a casing, having a zigzag way arranged therein and formed with openings with which the way communicates, partition-walls arranged at the points of communication between the way and the openings of the casing, and shelves arranged upon the exterior of the casing at said openings, and provided with pockets, substantially as described.

4. A game apparatus comprising a casing having a zigzag way arranged therein and provided with openings, a spout arranged in the upper end of the casing and having its inner end enlarged and divided into two passages, one of which communicates with the upper end of the way and the other with one of the openings in the casing, a communication between the way intermediate its ends and with one of the openings in the casing, and a communication between the lower end of the way and another of said openings, and shelves arranged on the exterior of the casing at said openings, and provided with pockets, substantially as described.

JOHN ALLISON HARKRIDER.

Witnesses:
JOHN C. SHUGART,
H. B. JOHNSON.