

Crozier & Taylor,

Game Board.

No. 107,882.

Patented Oct. 4, 1870.

Fig. 1.

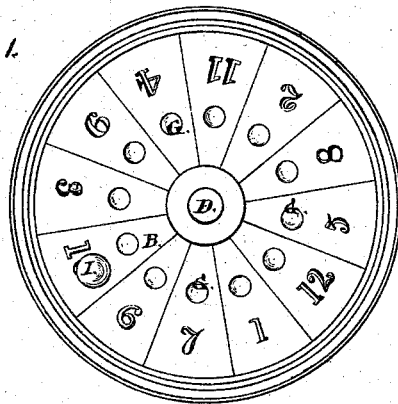
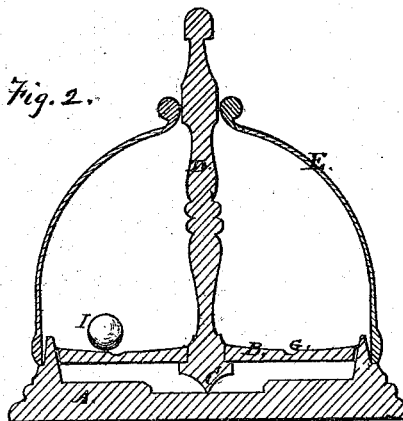


Fig. 2.



Witnesses.

Wm. Dennis

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Inventor.

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By their Atty J. Dennis Jr

United States Patent Office.

ARCHIBALD H. CROZIER, OF OSWEGO, NEW YORK, AND MARTIN TAYLOR,
OF HARTFORD, CONNECTICUT.

Letters Patent No. 107,882, dated October 4, 1870.

IMPROVEMENT IN ROULETTE.

The Schedule referred to in these Letters Patent and making part of the same

We, ARCHIBALD H. CROZIER, of Oswego, Oswego county, in the State of New York, and MARTIN TAYLOR, of Hartford, Hartford county, in the State of Connecticut, have invented certain Improvements in Whirling Toys, of which the following is a specification.

The nature or essence of our invention consists in combining, with a glass dome, a whirling disk, pivoted upon a suitable stand, and provided with a vertical shaft projecting through the top of said dome, as will be more fully set forth below.

Referring to the accompanying drawing, forming a part of this specification—

Figure 1 is a plan or top view of our whirling toy, and

Figure 2 is a vertical section through the center of the same.

The stand A may rest upon a table, or be provided with feet or legs, as may be preferred; and the disk B is supported upon a pivot, C, resting or turning in a depression in the top surface of the stand.

The pivot C, as here represented, is formed on the lower end of the vertical shaft D, which passes up through an opening in the top of the glass dome E, which holds it in a vertical position, so that the disk B may turn freely on the pivot beneath it.

The top of the disk B is divided into a certain number of spaces, 1, 2, 5, 8, &c., each space having placed on it one or more figures, and each being provided with an indentation, G, to receive a small ball or marble to be placed on the disk.

The top surface of the disk is curved or hollowed out somewhat, as shown in fig. 2, and the spaces between the indentations G should be slightly convex, so that the ball may not find any resting place, except in the hollows or indentations provided for it.

In using this toy a small ball or marble, I, is placed upon the top of the disk B, and the top of the shaft D being taken in the thumb and fingers, a brisk whirling motion is given to the disk.

The ball I, being carried around by the disk, the centrifugal force thus generated takes it to the outer

and upper edge of the same; but when the motion of the disk is allowed to slacken, or is stopped, the motion of the ball gradually slackens, and it will then descend to the lowest part of the surface, and finally settle in one of the indentations G.

This play counts for the player the number expressed by the figure or figures on the space within which the ball has come to rest.

The next player then performs the same operation, and the one whose numbers make the largest sum in such a number of plays or rounds, as may be agreed on, is the victor.

There may be any number of players, from two upward, and, to save time, the motion of the whirling disk may be checked, so as to bring it to a state of rest the sooner by pressing the finger upon the top of the shaft D.

This game is adapted to furnish innocent amusement to children, and to increase at the same time their familiarity with figures and the addition of numbers; and it will be readily seen that the convenience, interest, and satisfaction of the game will be greatly enhanced by the use of the glass dome, which furnishes a support for the shaft, protects the ball from all outside influences, and at the same time affords a complete view, to all around, of the movements of the disk and ball beneath it.

The foregoing being a description of our improved whirling toy,

What we claim, and desire to secure by Letters Patent, is—

The combination of the glass dome E, provided with an opening through the top, with the stand A, pivoted disk B, shaft D, and ball I, when constructed and arranged to operate substantially as herein set forth.

ARCHIBALD H. CROZIER.
MARTIN TAYLOR.

Witnesses:

E. Y. BUXTER,
H. C. BENEDICT.