

L. H. GILBERT.

GAME.

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951,212.

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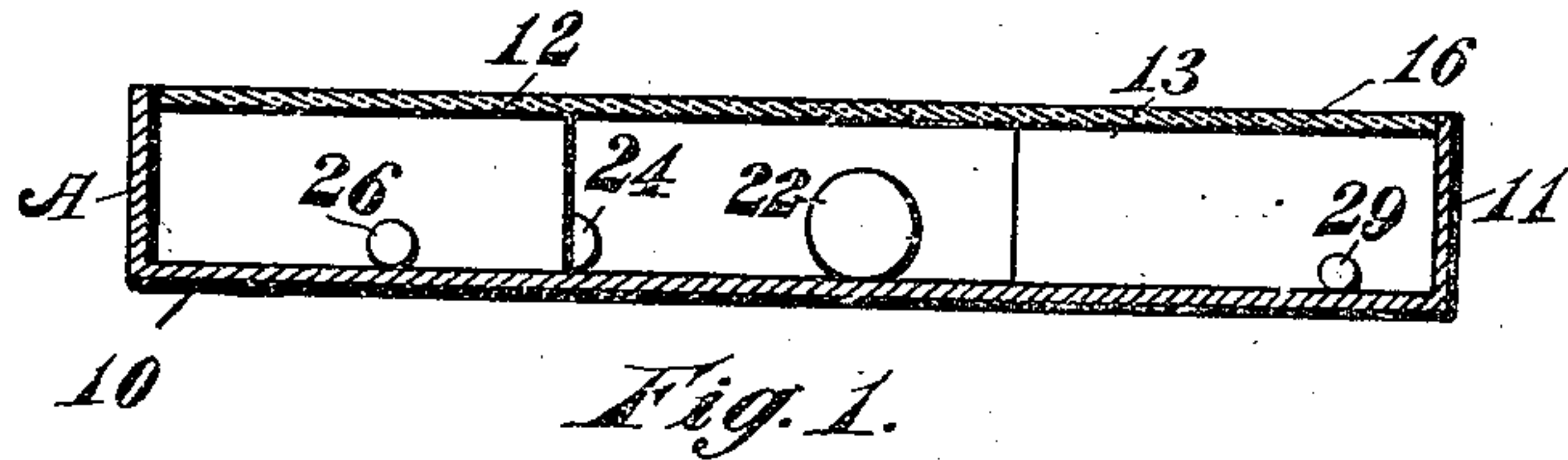


Fig. 1.

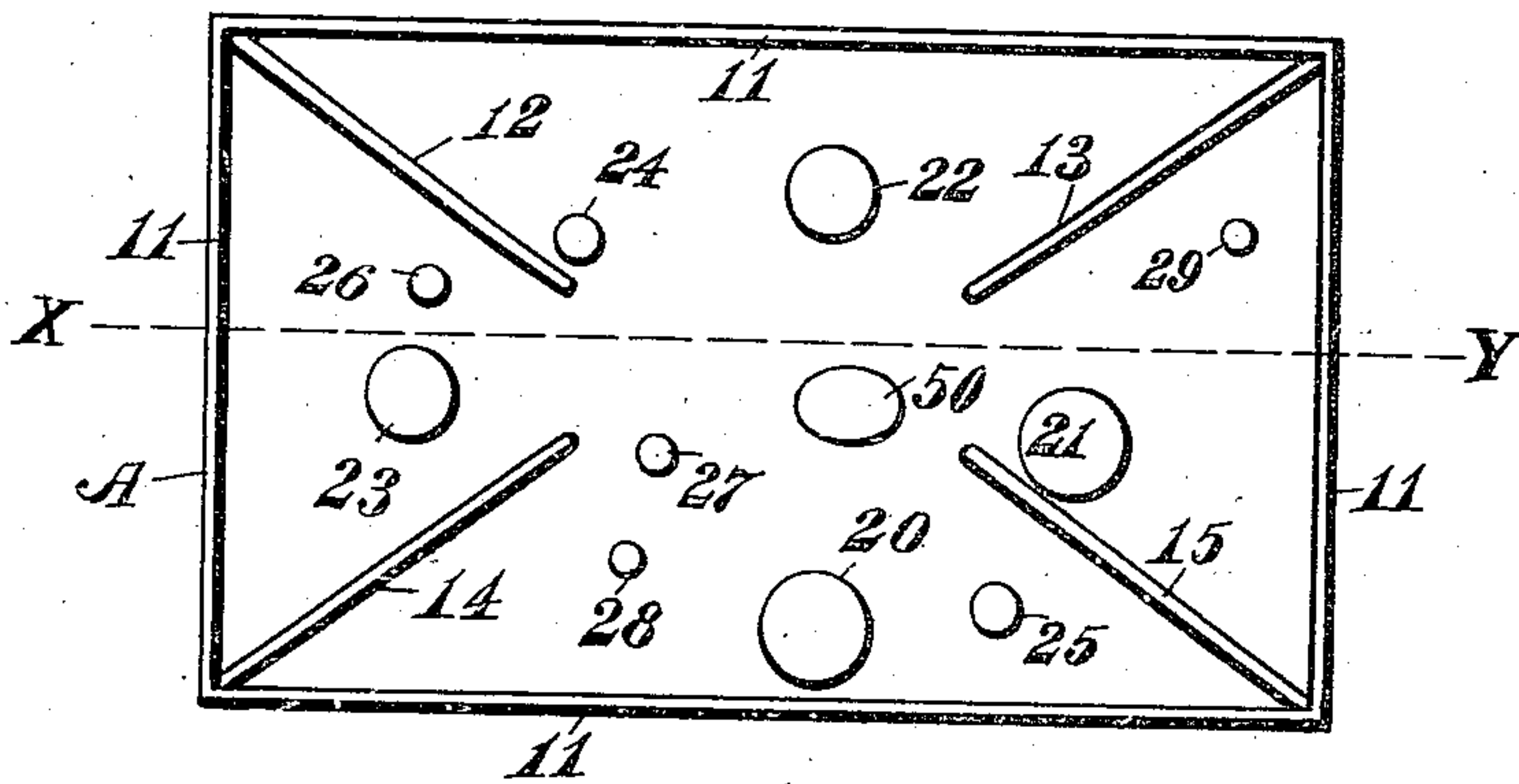


Fig. 2.

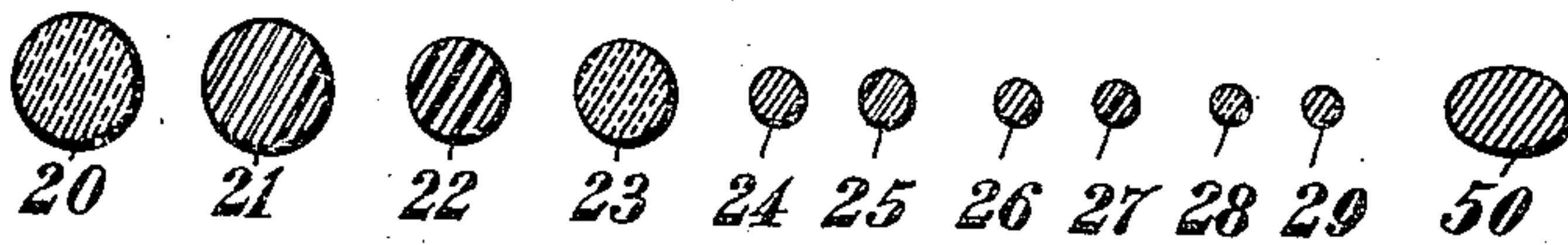


Fig. 3.

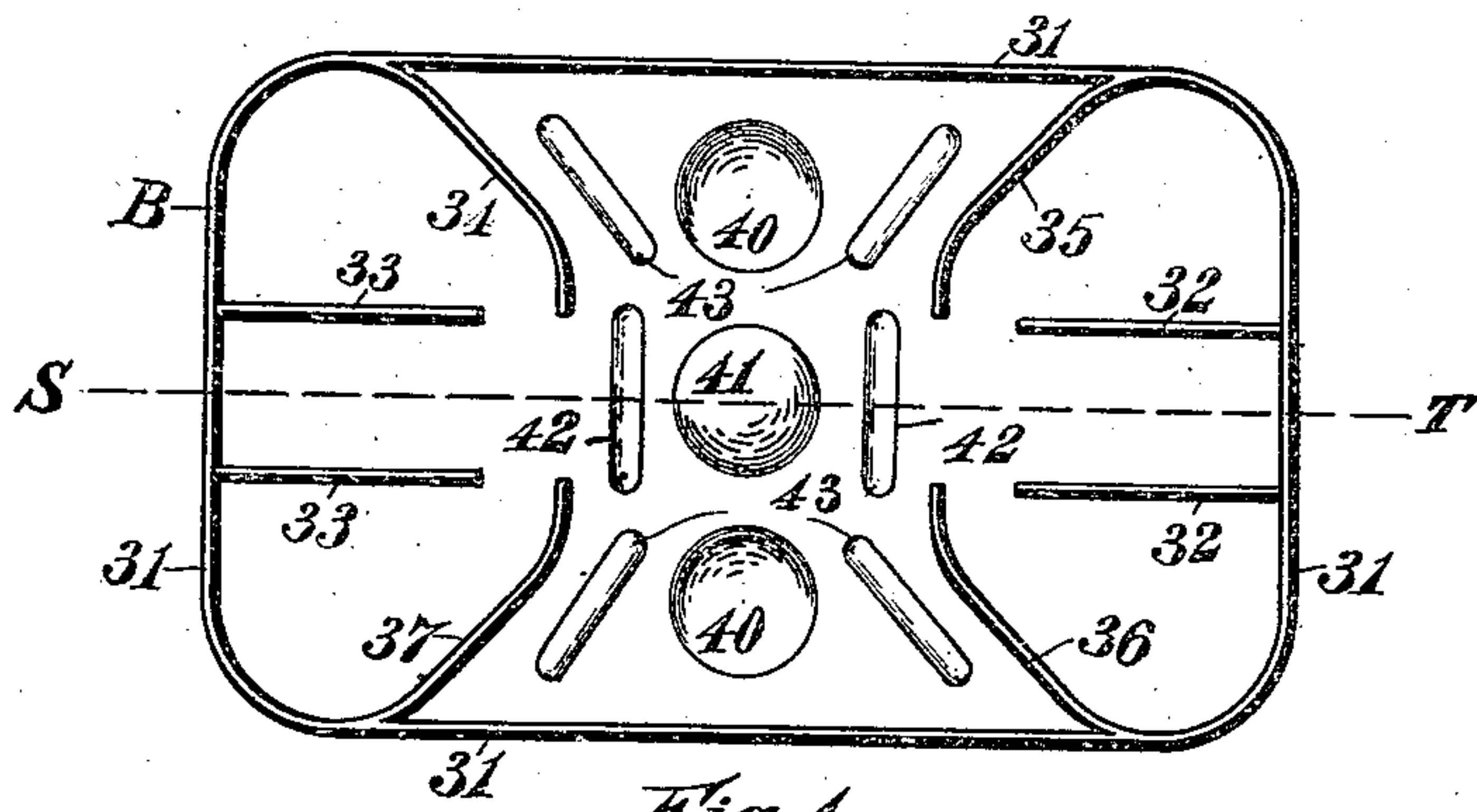


Fig. 4.

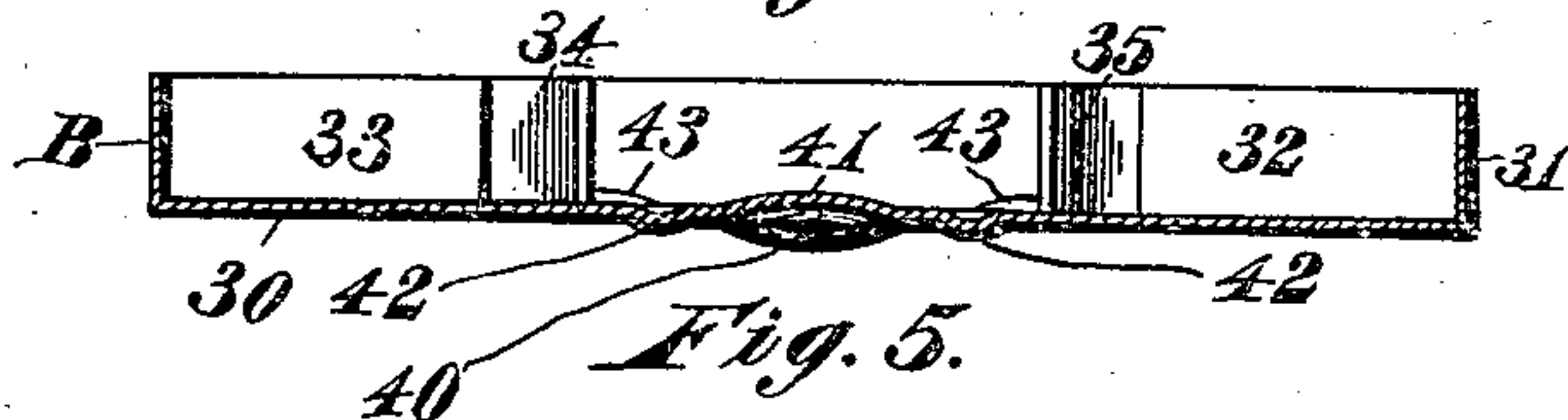


Fig. 5.

WITNESSES:

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GAME.

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To all whom it may concern:

Be it known that I, LOUIS H. GILBERT, a citizen of the United States, residing at Lowell, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Games, of which the following is a specification.

My invention relates to games or puzzles.

It is of the type wherein a number of balls or rolling members are contained in a shallow tray in which are vertical partitions which divide the tray into subdivisions or compartments.

The object is to collect certain of the balls in certain of these subdivisions.

The main principle of my invention which distinguishes it from others of the same type is the use of a plurality of balls made of different materials whereby the rolling qualities will be varied. To add to the difficulties of the game or puzzle, and the variations thereof the balls or rolling members may also be of different sizes and also of different shapes. The game tray may be either smooth on the bottom or it may be formed with depressions or elevations or both.

In the drawings, Figure 1 is a vertical section on line X—Y. of Fig. 2 of a smooth bottomed tray showing the balls in any chance position. Fig. 2 is a top view of the tray showing the balls in any chance position. Fig. 3 shows sections of the balls or rolling members which are used, made of different materials and of different sizes. Fig. 4 is a top view of a differently shaped tray, the bottom of which is made with depressions and elevations of varying form. Fig. 5 is a section of Fig. 4 on line S—T.

In the drawings, A represents a shallow tray which has a smooth bottom 10 and four vertical sides 11. The tray may be open at the top or may be covered with transparent material 16 so that the interior can be seen.

In the construction shown in Figs. 1 and 2, the tray is divided by substantially diagonal partitions 12, 13, 14 and 15 which do not touch each other, but leave openings whereby the balls can be rolled into one or more of the compartments by tipping the tray.

Figs. 1, 2 and 3 show a plurality of balls which are composed as follows. 20 and 21 are of the same size, but of different material, as, for instance, 20 is of glass, and 21 is of steel. 22 and 23 are of the same size, 24 and 25 are

of the same size, 26 and 27 are of the same size, 28 and 29 are of the same size, but each pair is or may be of different material than the others. I may also use one or more spherical balls as 50 which may be of the same material or of different material as pith. The balls 21 and 25 are of the same material, as steel. 22 and 27 are of the same material, as rubber. 24, 26 and 29 are of the same material, as iron. 20, 23 and 28 are of the same material, as glass. The puzzle may be worked out, for instance, by striving to collect all the balls of the same material in any one of the four compartments, or it may be worked out by seeking to collect all the balls of the same size in the same compartment, or it may be worked out by collecting the metal balls in one compartment and those of other material in a different compartment.

It is manifest that a great many combinations and adaptations of my invention may be made by varying the sizes of the balls and the materials of which the different sizes are made. Variations may also be made by changing the shape of the tray and the partitions therein.

I show a variation of the shape of the tray and the partitions in Fig. 4 in which B is the tray with a bottom 30 and vertical sides 31, 31. The corners of tray B are rounded, and it is divided into eight compartments. There are two sets of parallel partitions 32, 32 and 33, 33 and there are four irregular curved partitions 34, 35, 36 and 37. In the central field are two circular depressions 40, 40 and a central circular elevation 41. I may also provide a plurality of oval depressions or grooves 42, 42, and elevations or ridges 43, 43. These depressions and elevations may be so arranged as to make the game more difficult, or they may be arranged to make the game easier. For instance, the heavier balls may be rolled into certain depressions and used as targets to aid the lighter balls in being directed into their proper compartments.

What I claim as my invention and desire to cover by Letters Patent, is:

1. In a game device, the combination of a shallow tray with vertical partitions, with a plurality of balls of different materials therein.

2. In a game device, the combination of a shallow tray, and vertical partitions form-

ing compartments therein, with a plurality of balls therein of different materials and of different sizes.

3. In a game device, a shallow tray with
5 vertical partitions which form compartments therein, combined with a plurality of rolling members of different shapes.

4. In a game device, a shallow tray with
10 vertical partitions which form compartments therein, combined with a plurality of rolling members of different sizes and shapes.

5. In a game device, a shallow tray with
15 vertical partitions which form compartments therein, combined with a plurality of rolling members of different materials, sizes and shapes.

6. In a game device, a shallow tray with a
20 floor formed with depressions and elevations, and vertical partitions which form compartments therein, combined with a plu-

rality of balls therein made of different materials.

7. In a game device, a shallow tray with a floor formed with depressions and eleva- 25 tions, and vertical partitions which form compartments therein, combined with a plurality of balls therein made of different materials and of different sizes.

8. In a game device, a shallow tray with 30 a floor formed with depressions and elevations, and vertical partitions which form compartments therein, combined with a plurality of rolling members therein made of different materials, of different sizes, and of 35 different shapes.

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

LOUIS H. GILBERT.

Witnesses:

GARDNER W. PEARSON,
FISHER H. PEARSON.