

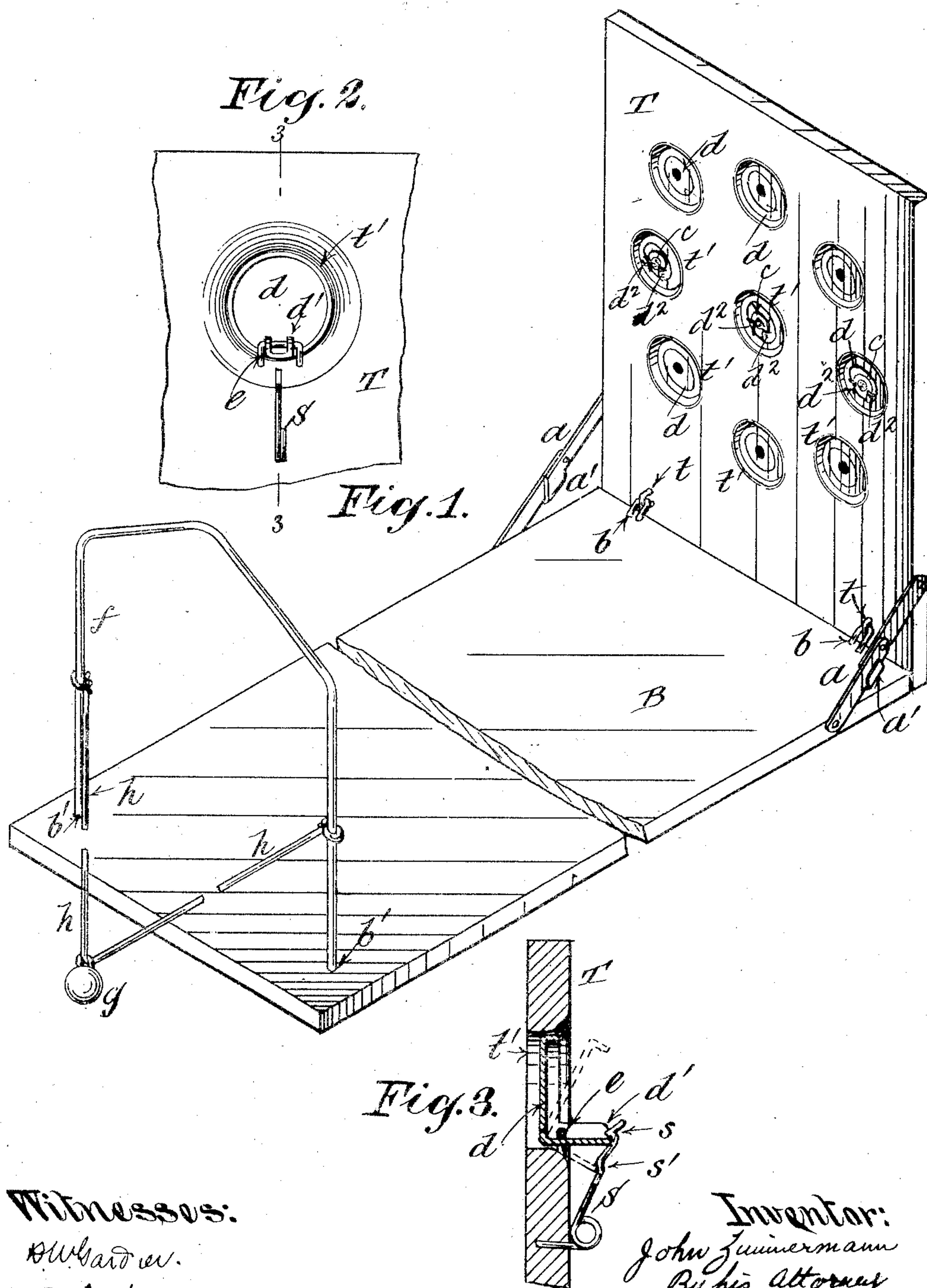
No. 883,372.

PATENTED MAR. 31, 1908.

J. ZIMMERMANN.  
TOY.

APPLICATION FILED NOV. 1, 1907.

2 SHEETS—SHEET 1.



Witnesses:

Hubbard v.

I. Kalle

*Inventar:*

John Zimmermann  
By his Attorney

Geo. W. Smith

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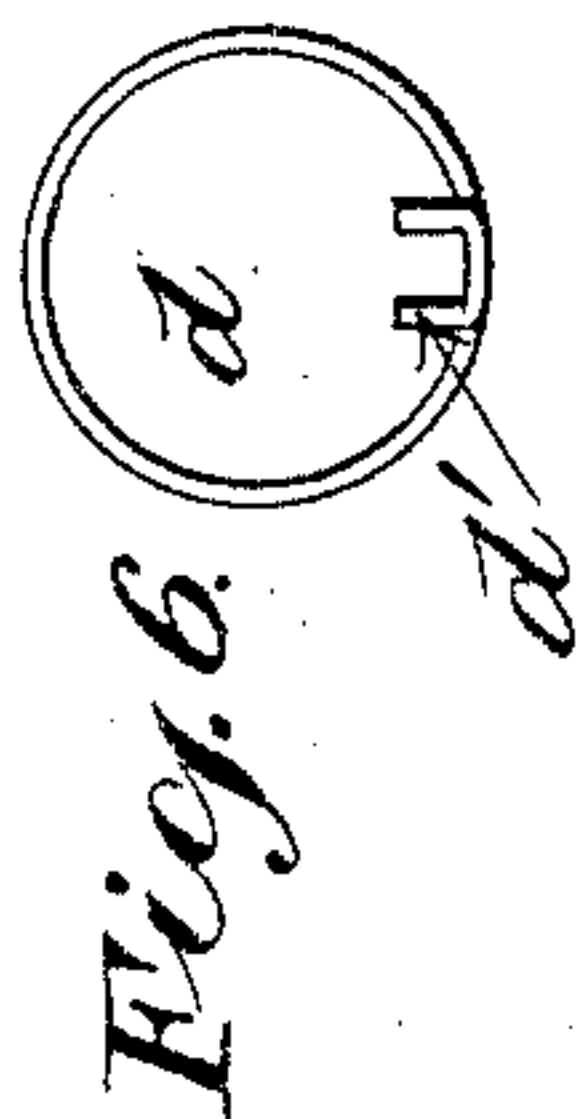
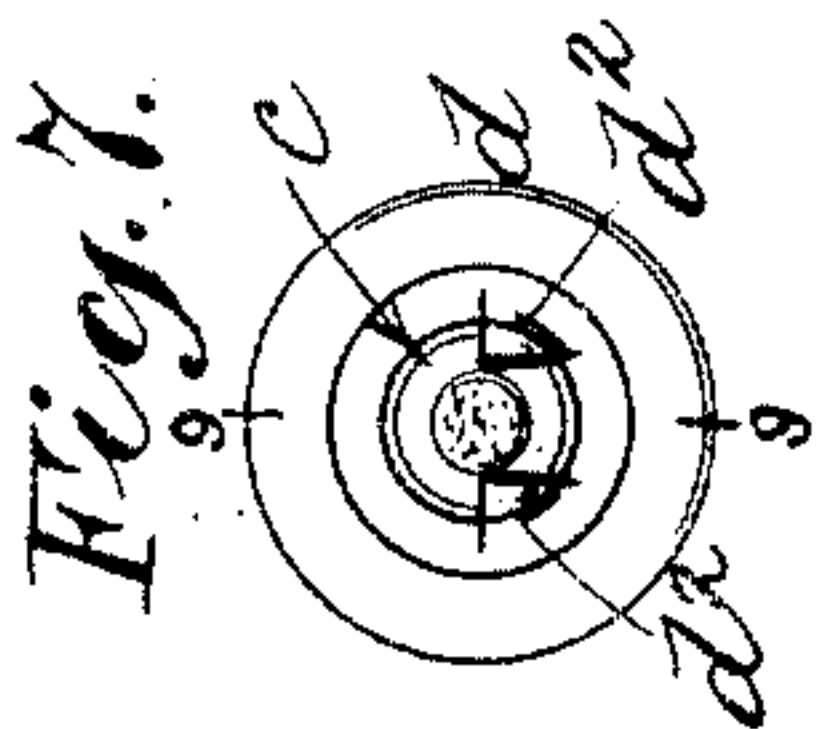
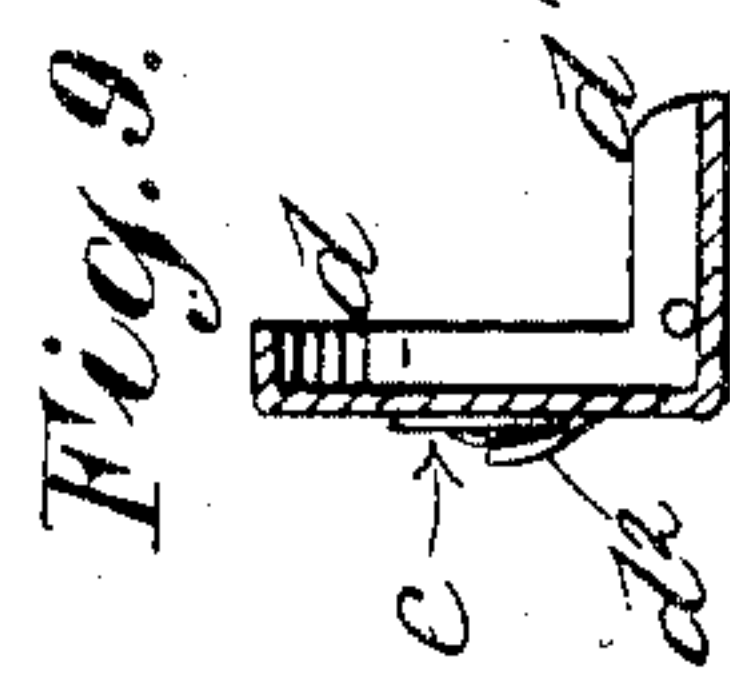
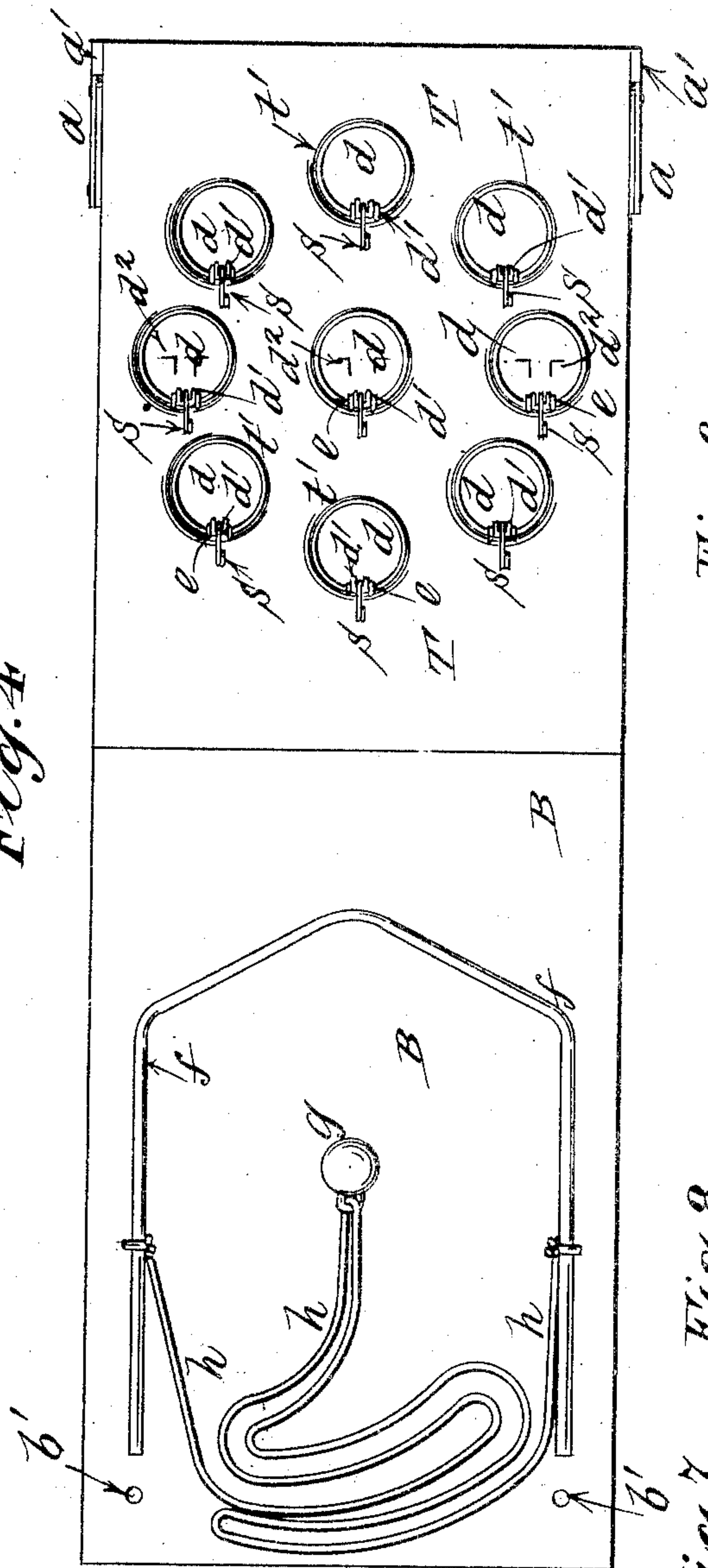


Fig. 4



Witnesses:  
D. W. Gardner.  
I. Lake

Inventor:  
John Zimmermann  
By his Attorney  
Geo. W. M. Smith



# UNITED STATES PATENT OFFICE.

JOHN ZIMMERMANN, OF NEW YORK, N. Y.

## TOY.

No. 883,372.

Specification of Letters Patent.

Patented March 31, 1908.

Application filed November 1, 1907. Serial No. 400,264.

*To all whom it may concern:*

Be it known that I, JOHN ZIMMERMANN, a citizen of the United States, residing in the city of New York, borough of the Bronx, county and State of New York, have invented certain new and useful Improvements in Toys, of which the following is a specification.

My improvements relate to toy targets of the class in which a return ball is used, and are designed to afford a relatively cheap "knock down" or folding device which may be conveniently transported and stored and quickly and readily installed for use.

The invention consists in the construction and arrangement of parts herein described and claimed specifically, an incidental feature being the use of fulminate caps on the face of the target disks for the purpose of announcing by the explosion thereof a hit made by the projectile.

In the accompanying drawings, Figure 1, is an isometrical perspective of my device, a portion of the base board and portions of the elastic sling being broken away; Fig. 2, is a rear view upon a larger scale of a portion of the target board showing one of the hinged targets; Fig. 3, is a section upon plane of line 3—3—Fig. 2; Fig. 4, is a top view of the device folded; Figs. 5 and 6, front and rear elevations of the target disks; Figs. 7 and 8, face and rear views of target disks made to accommodate fulminate caps; Fig. 9, a section upon plane of line 9—9—Fig. 7.

B is the base board of any suitable length, to the rear end of which is hinged the target board T, preferably by means of staples *b*, *b*, and *t*, *t*.

*a*, *a*, are toggle or folding braces which are used to sustain the target board T in its upright position, but which fold over each other to allow it to be turned down to rest upon the base board.

Each brace *a*, consists of one member pivoted to the base B and another pivoted to the target board T, both members being pivoted together. One of these members is formed with a flange *a'*, which acts as a stop or rest to the other member when the members are in alinement as shown in Fig. 1.

A series of circular openings *t'*, *t'*, are formed in the target board T, for the display of a series of target disks *d*, *d*. Each disk is pivotally supported upon a rod or staple *e*, driven into the rear of the board, and each has a rear extension *d'*, projecting beyond such pivotal point *e*.

A spring latch S is arranged in connection with each target disk *d*, said spring latch being formed with two notches or shoulders *s* and *s'*, the first of which, *s*, sustains the disk *d*, in its advanced or upright position, while the latter *s'*, holds it in its rear or retracted position, as indicated by the dotted lines in Fig. 3.

A feature of the invention consists in providing means upon the face of one or more of the target disks whereby a toy or fulminate cap similar to those used in toy pistols &c., may be supported thereon, to be exploded when hit by the projectile *g*. A simple way is to cut and stamp out flanges *d<sup>2</sup>*, *d<sup>2</sup>*, from the body of the disk in such manner that they project in front of the rest of the face thereof, so that the paper cap *c*, may be supported on the face of the disk with its edges resting between said flanges and the disk as shown in Figs. 1 and 9. I do not however confine myself to this identical construction since any other mechanical equivalent expedient for holding the fulminate cap on the face of the disk may be resorted to with like result.

The front or face of each target disk *d*, may be numbered, marked with a bull's eye or any other desired design or be left plain as preferred,—the essential feature in this connection being the combination with the target disk *d*, having the tail or extension, of the double shouldered latch adapted to hold the disk in both its normal and interposed position, to the end that when a hit is scored the disk will record the fact visually until forcibly restored to its normal position.

The bow *f*, is made preferably of wire, the ends of which fit in sockets *b'*, *b'*, formed for their reception in the base board B. The return ball or projectile *g*, is preferably attached to the middle of an elastic cord *h*, of suitable length, the ends of which are secured to the bow *f*, and may be varied in position by sliding up or down the upright parallel side members of the bow for the purpose of facilitating aim at any target disk in the series.

For purposes of packing, transporting or storage when not desired for use the bow *f*, is unshipped and laid upon the base B, and the target board T is folded over on the latter, as shown in Fig. 4.

Thus constructed and arranged my toy target is simple, cheap and convenient, and is adapted to a variety of uses and games.

Provision is made for indicating a hit by



the projectile both visually or by sound,—the use of the fulminate caps adding materially to the novelty and attractiveness of the device.

5 What I claim as my invention and desire to secure by Letters Patent is,

1. In a toy target of the character designated, the combination with the base board, of a target board hinged thereto and formed  
10 with a series of apertures, a series of pivoted target plates each arranged to appear through one of said apertures, each target plate being formed with a rear extension, spring latches, one for each of said target  
15 plates arranged to engage with the rear extension thereof and formed with shoulders for sustaining its target plate in either an advanced or retracted position, and a return ball or projectile arranged in front of said  
20 target board, for the purpose described.

2. In a toy target of the character designated, the combination with the base board of a target board hinged thereto and formed with a series of apertures, a folding brace  
25 pivotally connected to and between said base board and said target board, a series of pivoted target plates each arranged to appear through one of said apertures, each target plate being formed with a rear extension, spring latches, one for each of said target  
30 plates arranged to engage with the rear extension thereof and formed with shoulders for sustaining its target plate in either an advanced or retracted position, and a return  
35 ball or projectile arranged in front of said target board, for the purpose described.

3. In a toy target of the character designated, the combination with the base board,

of a target board hinged thereto and formed with a series of apertures, a folding brace  
40 pivotally connected to and between said base board and said target board and formed with a stop for sustaining the parts in extended position, a series of pivoted target plates each arranged to appear through one of said  
45 apertures, each target plate being formed with a rear extension, spring latches, one for each of said target plates arranged to engage with the rear extension thereof and formed with shoulders for sustaining its target plate  
50 in either an advanced or retracted position, and a return ball or projectile arranged in front of said target board, for the purpose described.

4. In a toy target of the character designated, the combination with the base board, of a target board hinged thereto and formed with a series of apertures, a series of pivoted target plates each arranged to appear  
55 through one of said apertures, each target plate being formed with a rear extension, spring latches, one for each of said target plates arranged to engage with the rear extension thereof and formed with shoulders  
60 for sustaining its target plate in either an advanced or retracted position, a detachable bow shaped body supported in sockets on the front end of the base board, an elastic cord the ends of which are slidably attached to the  
65 parallel side members of the said bow shaped body, and a return ball or projectile on said elastic cord, for the purpose described.

JOHN ZIMMERMANN.

Witnesses:

GEO. WM. MIATT,  
D. W. GARDNER.