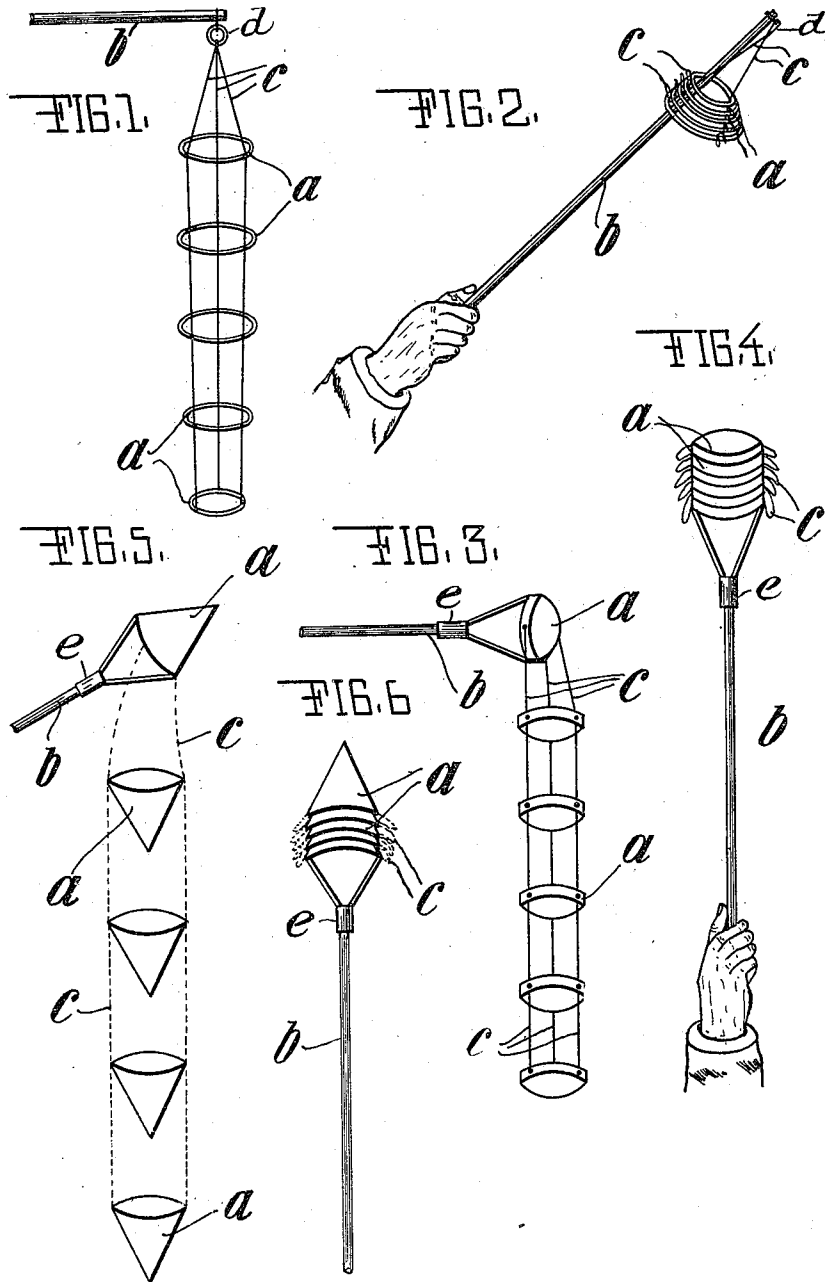


G. MALZ.
TOY.
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945,849.

Patented Jan. 11, 1910.



Witnesses:
Anna Lloyd.
Florence Wm. Jones.

Inventor:
Gustav Malz
by *Arthur W. Allen*
att.

UNITED STATES PATENT OFFICE.

GUSTAV MALZ, OF BRAKE, GERMANY.

TOY.

945,849.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GUSTAV MALZ, a subject of the King of Prussia, residing at Brake i. W., in the Kingdom of Prussia and German Empire, have invented new and useful Improvements in Toys, of which the following is a specification.

The subject of my invention is a novel toy, comprising a handle, to which a series of loosely connected projectiles of any suitable shape is secured.

The game consists in so swinging the toy by the handle as to hurl the train of projectiles into the air, as far as their connecting means admit, and in thereupon endeavoring to catch up the descending projectiles in superimposed disposition with the aid of the handle.

Certain forms of construction of the new toy are illustrated by way of example in the accompanying drawing.

Figures 1 and 2 show a construction in which the projectiles are of annular form. Figs. 3 and 4 show a modification, having projectiles of discoidal shape. Figs. 5 and 6 show a second modification, presenting projectiles of hollow conical shape.

The toy consists of a handle, which in the drawings is shown as a rod *b*, though some other form might be adopted. It may be of any desired length, depending, for instance, upon the number of projectiles it is to carry and their distance apart. To this handle *b* there are attached the projectiles *a*, of which there may be any desired number, five being shown in the drawing. These projectiles may be of any suitable shape, consisting, for example, of hoops or rings (Figs. 1 and 2), plates or disks (Figs. 3 and 4), hollow cones (Figs. 5 and 6), cups, or the like, whether of round, oval or annular form. They may be made of wood, cane, wire, metal, celluloid, india rubber, pasteboard, paper or any other suitable material. The projectiles may be of any suitable size, and all the members of the series may be of the same proportions (Figs. 3 and 4), or may vary, for instance successively decreasing in size (Figs. 1 and 2). These projectiles are

connected together to form a train by any suitable flexible means *c*, such as cords, chains, or the like, of any appropriate length. Any suitable number of such flexible means may be used, three being shown in Figs. 1 to 4, and two in Figs. 5 and 6. The individual projectiles may be secured at any suitable distance apart, from each other. The distance may differ, or may be the same for all the members of a train.

The manner in which the projectiles are secured to the handle will depend upon the nature of the former. In the construction shown in Figs. 1 and 2 they are attached with the aid of a ring *d*, while in the modification shown in Figs. 3 to 6 the first projectile is fixed to the top of the stick *b* by means of a socket-piece *e*.

In use, the handle is grasped at its free end and swung in such manner that the projectiles *a* fly up into the air, whereupon the attempt is made at a suitable moment to catch them up with the rod *b*, so that they will be superimposed one upon the other.

I claim—

1. A toy, comprising a series of projectiles, flexible means loosely connecting the same, and a handle adapted to be passed through the projectiles and to which they are loosely attached, substantially as described.

2. A toy, comprising a series of projectiles adapted to repose in a superimposed assemblage, flexible means loosely connecting the same, and a handle to which the projectiles are attached, substantially as described.

3. A toy, comprising a series of hollow projectiles adapted to fit into each other, flexible means loosely connecting the same, and a handle to which the projectiles are attached, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GUSTAV MALZ.

Witnesses:

ADOLF WINTER,
AUGUST DEPPE.