G. J. KOEHL.

TOY.

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1,348,283. Patented Aug. 3, 1920.

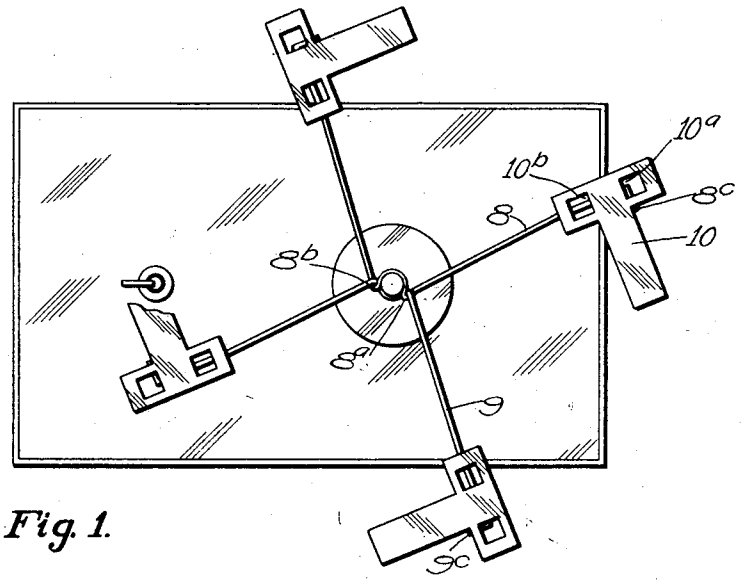


Fig. 1.

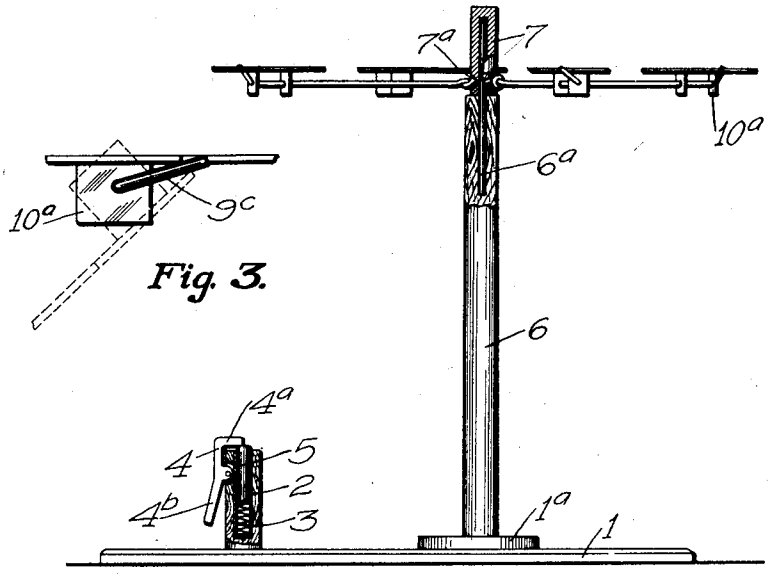


Fig. 2.

Fig. 3.

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TOY.

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To all whom it may concern:

Be it known that I, GEORGE J. KOEHL, a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented certain new and useful Toys, of which the following is a specification.

My invention relates to a toy in the form of an aeroplane revolving target and projectile discharging gun and the objects of my invention are: First, to provide a toy of the class described for use by children for entertainment purposes; second, to provide a toy of this class for teaching children to determine the proper time to shoot; third, to provide a toy of this class which may be played in the form of a game by several and fourth, to provide a toy of this class which is very simple and economical of construction, easy to operate, compact in form, easy to repair and which will not readily deteriorate or get out of order.

With these and other objects in view as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon which form a part of this application, in which:

Figure 1 is a top or plan view of the device showing one of the aeroplanes fragmentarily; Fig. 2 is a side elevational view thereof showing portions broken away and in section to facilitate the illustration and Fig. 3 is a detailed fragmentary side elevational view of one of the planes in its horizontal supported position by solid lines and showing by dotted lines its position after being properly struck by a projectile.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawings.

The base member 1, cylindrical member 2, spring 3, lever 4, projectile 5, main support 6, journal member 7, aeroplane target supports 8 and 9 and aeroplane targets 10 constitute the principal parts and portions of my toy structure.

The base member 1 is preferably a rectangularly shaped member preferably composed of wood and in the middle thereof is positioned the support 6, its lower end is provided with a tapered end adapted to fit snugly into a hole in the base member 1 and the reinforcing member 1^a which is secured thereto. Secured in the upper end of this support 6 is a pin 6^a which extends above the member 6 and to near the upper end of the journal member 7 and serves as a pivot support for said journal member 7 which is preferably a metallic member provided with a groove 7^a therein near its lower side in which the wire supports 8 and 9 are inserted and its upper end extends upwardly some distance for a hand hold to facilitate the turning of said journal member 7. These wire supports 8 and 9 are twisted around the member 7 in the groove 7^a and interlock with each other as shown best at 8^a and 8^b and their extended ends are provided with right angle bends 8^c and 9^c which are tilted upward slightly as shown best in Fig. 3 to support the aeroplane targets in a horizontal position by engagement with their outer ends. The aeroplane targets are preferably made of T-shaped metal with rectangular portions 10^a and 10^b cut out on two sides and bent downwardly and provided with holes therein for the wires 8 and 9 to pass through thus serving as pivotal supports for the aeroplane targets 10 which are supported normally in horizontal positions by the members 8^c and 9^c. It will be noted however, that if anything strikes the tail portion of the aeroplane from below with sufficient force it will tilt over as shown by dotted lines in Fig. 3 of the drawings.

Mounted in the base member 1 in the middle of said base member and in a position immediately below the course of the aeroplanes in their revolution is the cylindrical member 2 which is fitted snugly into a hole in the base member 1, this cylindrical member is provided with a compression spring 3 in its lower end secured therein and pivotally mounted on the side thereof is a lever 4 which is provided with a right angled extended portion 4^a which extends over the upper end of the hole in said cylindrical member 2. Mounted in this hole is a projectile 5 which when in sufficiently to permit the lever 4 to engage the upper end, compresses the spring 3 so that when the member 4^b of the lever 4 is depressed the spring 3 throws the projectile 5 upwardly and if properly timed will strike the tail of one of the aeroplane targets and flop it upside-down as shown by dotted lines in Fig. 3 of the drawings, the aeroplanes being re-

volved and serving as targets to be shot at with the projectile 5.

It will be noted that only four aeroplanes are shown herein but it is obvious that any number may be used in the same manner and that they may be numbered and attempts made to fire the projectile to strike a certain one of the numbered planes or strike them in consecutive numbers.

Though I have shown and described a particular construction, combination and arrangement of parts and portions, I do not wish to be limited to this particular construction, combination and arrangement but desire to include in the purview of my invention the construction, combination and arrangement substantially as set forth in the appended claims.

It is obvious that with this construction there is provided a toy which will furnish considerable amusement for children and it will teach them to properly time the firing of the projectile relatively to the position of the targets.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is:

1. In an apparatus of the class described, a base member, a vertical support mounted thereon, a plurality of radial arms pivotally mounted on the upper end of said support, targets pivotally mounted on said supports, means of said supports for holding said targets normally in a horizontal position but permitting them to revolve on said supports in one direction, a projectile discharging device mounted in said base positioned to discharge a projectile in line with the travel of said targets.

2. In an apparatus of the class described, a base member, a vertical support mounted thereon, a plurality of radial arms pivotally mounted on the upper end of said support, targets pivotally mounted on said supports means on said supports for holding said targets normally in a horizontal position but permitting them to revolve on said supports in one direction, a projectile discharging device mounted in said base positioned to discharge a projectile in line with the travel of said target, comprising a cylindrical member, a spring mounted therein, a lever mounted on the side of said cylindrical member with its one end over-hanging the upper end and a projectile adapted to fit in said cylindrical member against said spring and held with the spring compressed and adapted to be released by the movement of said lever.

In testimony whereof I have hereunto set my hand at San Diego California this 28th day of March 1919.

GEORGE J. KOEHL.