A. W. MANZIE.

TOY.

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1,340,786. Patented May 18, 1920.

Fig. 1.

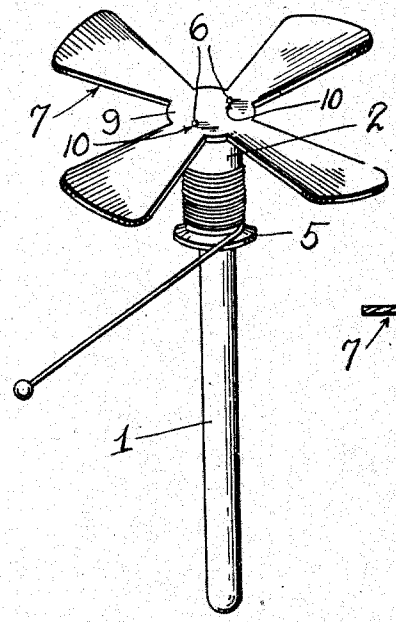


Fig. 2.

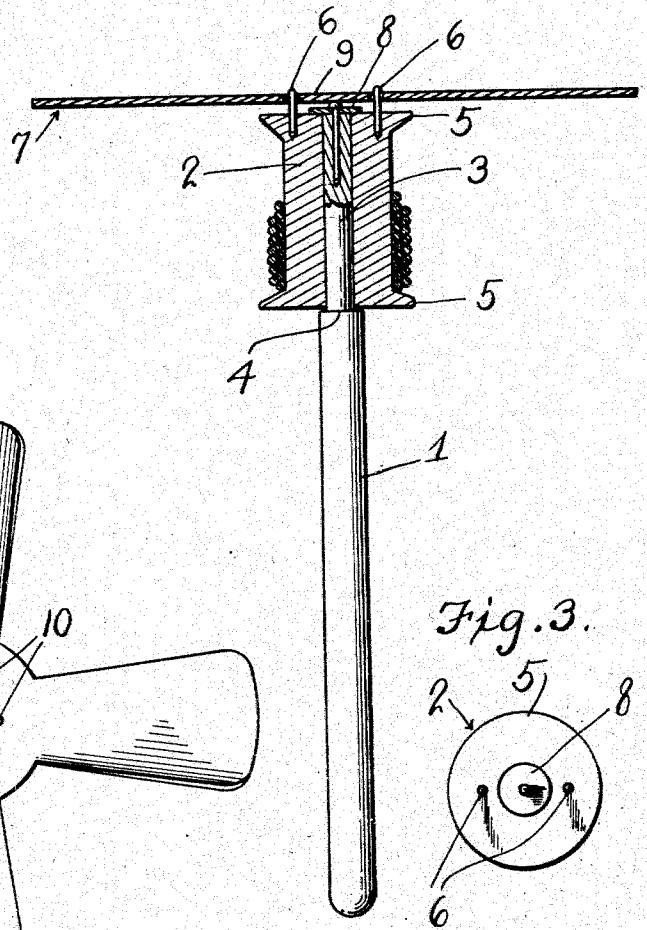


Fig. 4.

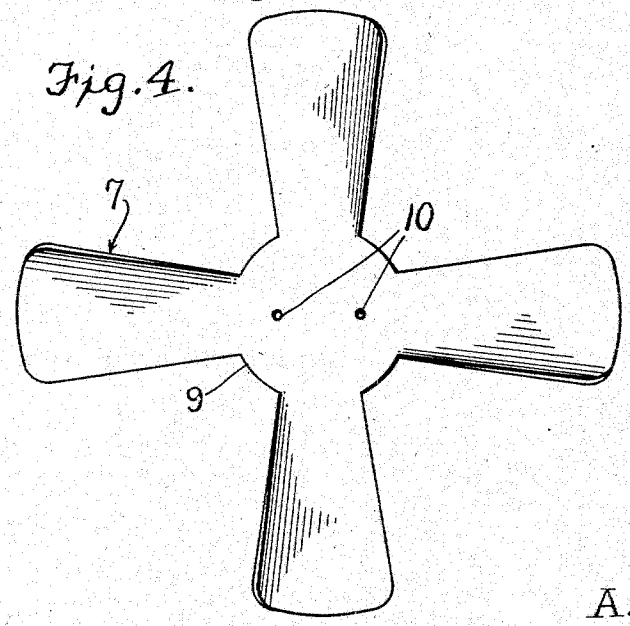


Fig. 3.

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TOY.

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To all whom it may concern:

Be it known that I, ANGELO W. MANZIE, a citizen of the United States, residing at Newport News, in the county of Warwick and State of Virginia, have invented new and useful Improvements in Toys, of which the following is a specification.

The object of my present sole invention is the provision of a toy of the aerial projectile type that is extremely simple and inexpensive in construction, susceptible of economical production, reliable in operation, and well adapted to withstand the rough usage to which toys embodying movable parts are ordinarily subjected.

To the attainment of the foregoing the invention consists in the improvement as hereinafter described and definitely claimed.

In the accompanying drawings, hereby made a part hereof:

Figure 1 is a perspective showing the manner of using my novel toy.

Fig. 2 is an enlarged diametrical section showing the relative arrangement of the handle, the spool and the spool retainer of the toy.

Fig. 3 is a top plan view showing the spool and the spool retainer.

Fig. 4 is a plan view of the projectile.

Similar numerals of reference designate corresponding parts in all of the views of the drawings.

Among other elements my novel device comprises a handle 1 and a spool 2, both of said elements being formed of wood. The handle 1 is reduced at one end to form a spindle 3 and a shoulder 4. Supported by the said shoulder 4 and revoluble about the spindle 3, is the before-mentioned spool which is flanged at 5. The upper end of the spool is flat, and is arranged slightly below the upper end of the spindle 3, and fixed in and extending above the upper end of the spool at points off the center thereof are pins 6.

For the purpose of retaining the spool 2 against casual displacement from the spindle, and this without preventing free rotation of the spool and the aerial projectile 7, I provide the flat, disk-like retainer 8 that is superimposed upon and fastened by a headed pin, Fig. 2, to the upper end of the spindle 3.

The aerial projectile 7 is preferably formed in one-piece of sheet-metal, is propeller-like in form and is provided in its central body portion 9 with apertures 10 designed to receive the pins 6.

As will be manifest from Fig. 1, the improved toy is adapted to be used in the same manner as other toys of the aerial propeller type—*i. e.*, the handle 1 is grasped in the left hand, and a string 11 previously wound about the spool 2 is sharply drawn in a direction away from the toy, whereupon because of the rapid rotation of the spool and the projectile 7, the latter will be caused to rise and release itself from the spool, and will be driven a considerable distance through the air.

It will be apparent that incidental to the initial rotation of the spool and the aerial projectile, the projectile will be supported by head of the fastening pin of the flat, disk-like retainer 8, and consequently there will be no material resistance offered to the rotation of the aerial projectile precedent to the rising of the same.

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

A toy of the aerial projectile type comprising a handle having a shoulder and a spindle extending upwardly from the shoulder, a spool revoluble about the spindle and supported on the shoulder and having end flanges, pins fixed to and extending upwardly from the upper end of the spool at points off the center thereof, a flat disk-like retainer arranged against the upper end of the spindle and located between and in spaced relation to said pins, a fastening pin in the spindle and having a head at the outer side of the retainer, and an aerial projectile having a flat central body adapted to bear centrally against the said pin-head and in which are apertures off the center to loosely receive the said pins.

In testimony whereof I affix my signature.

ANGELO W. MANZIE.