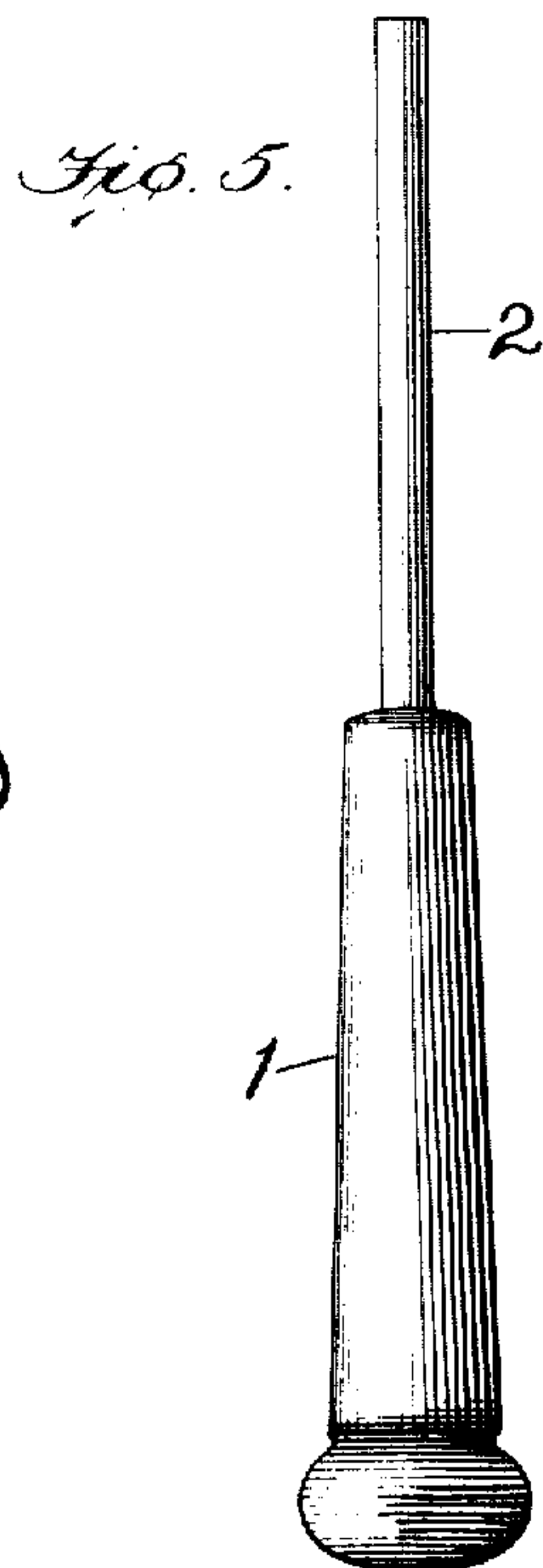
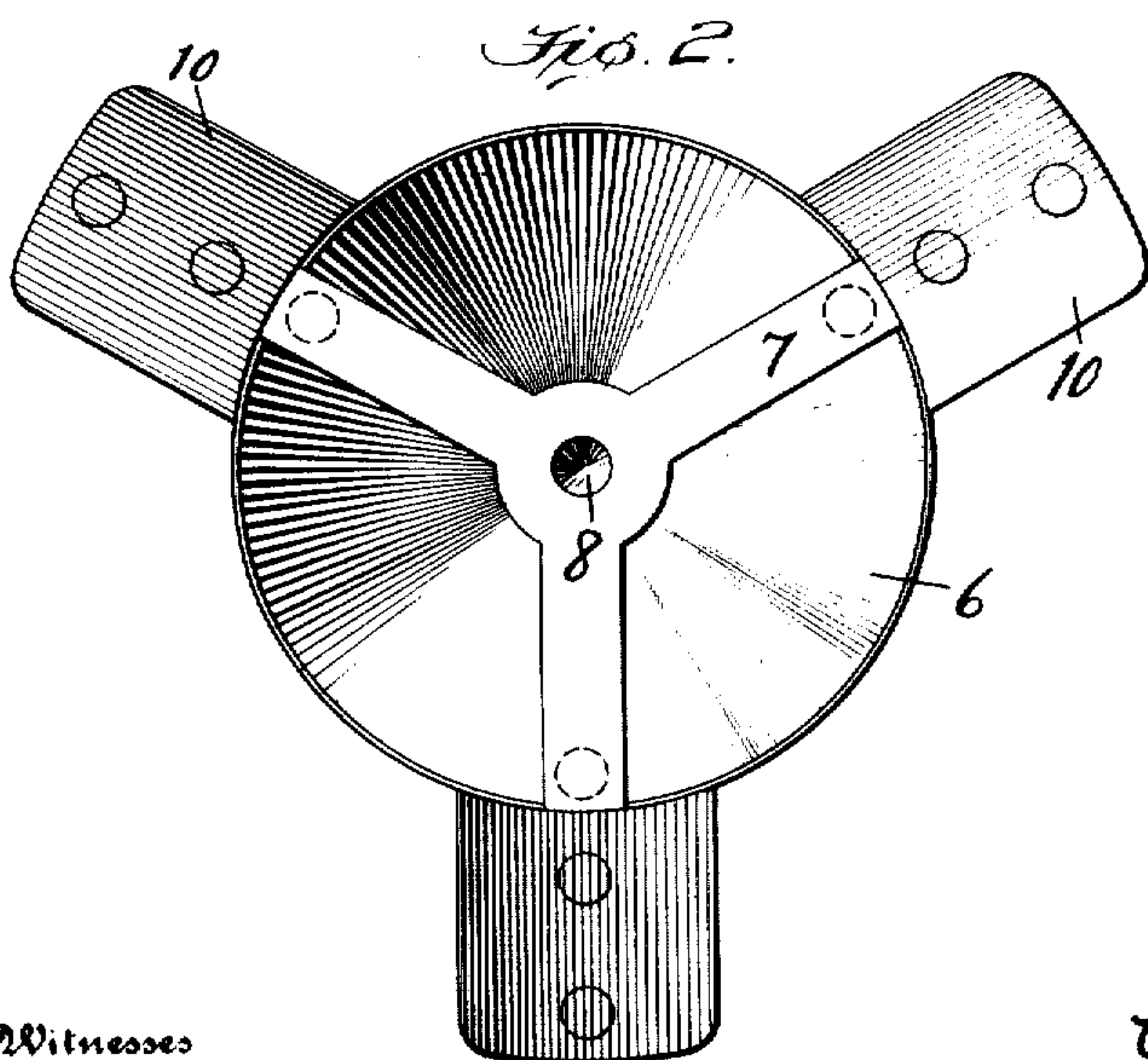
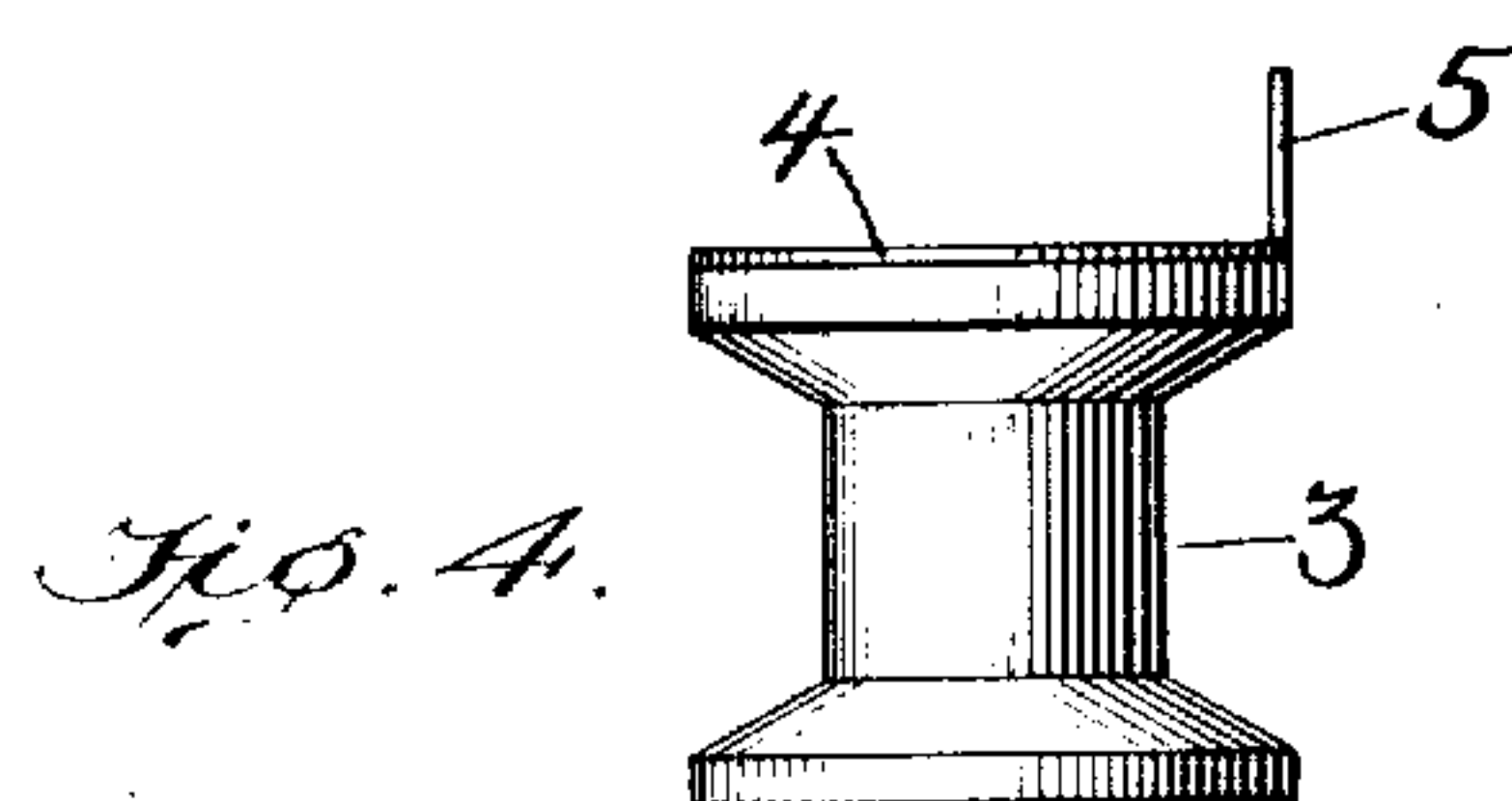
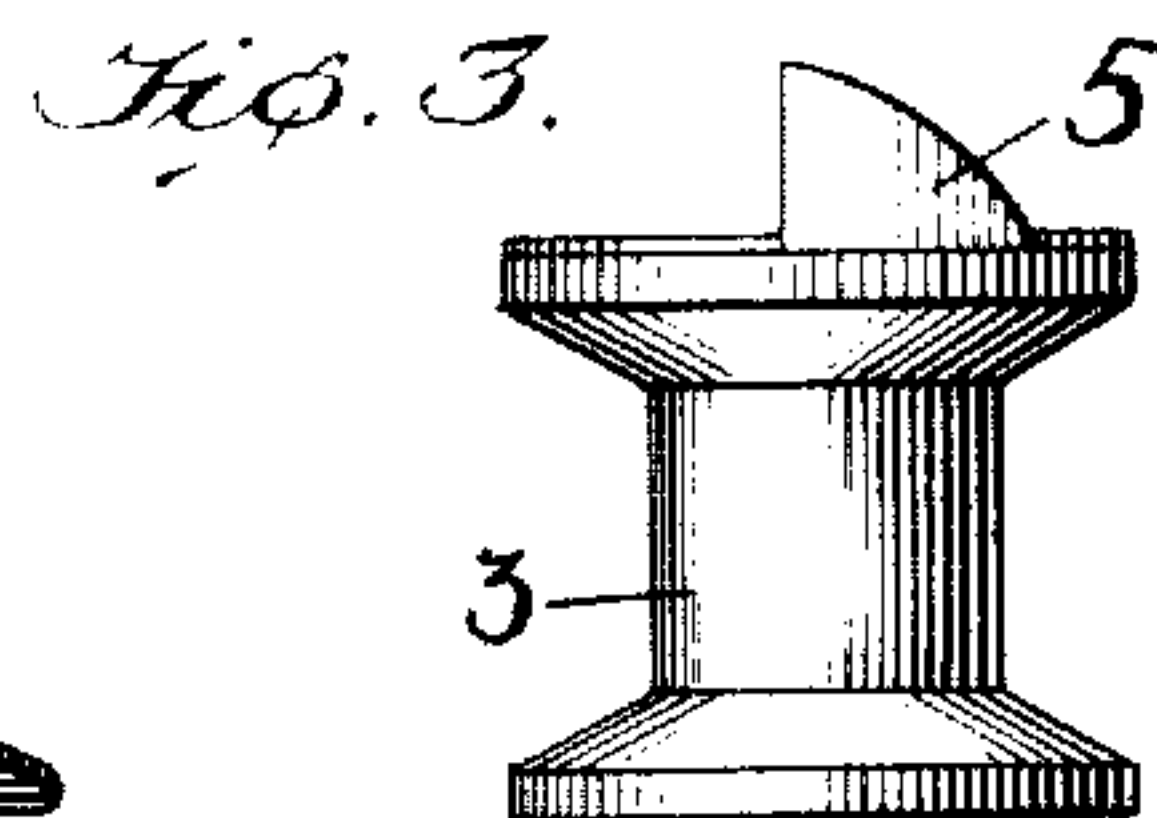
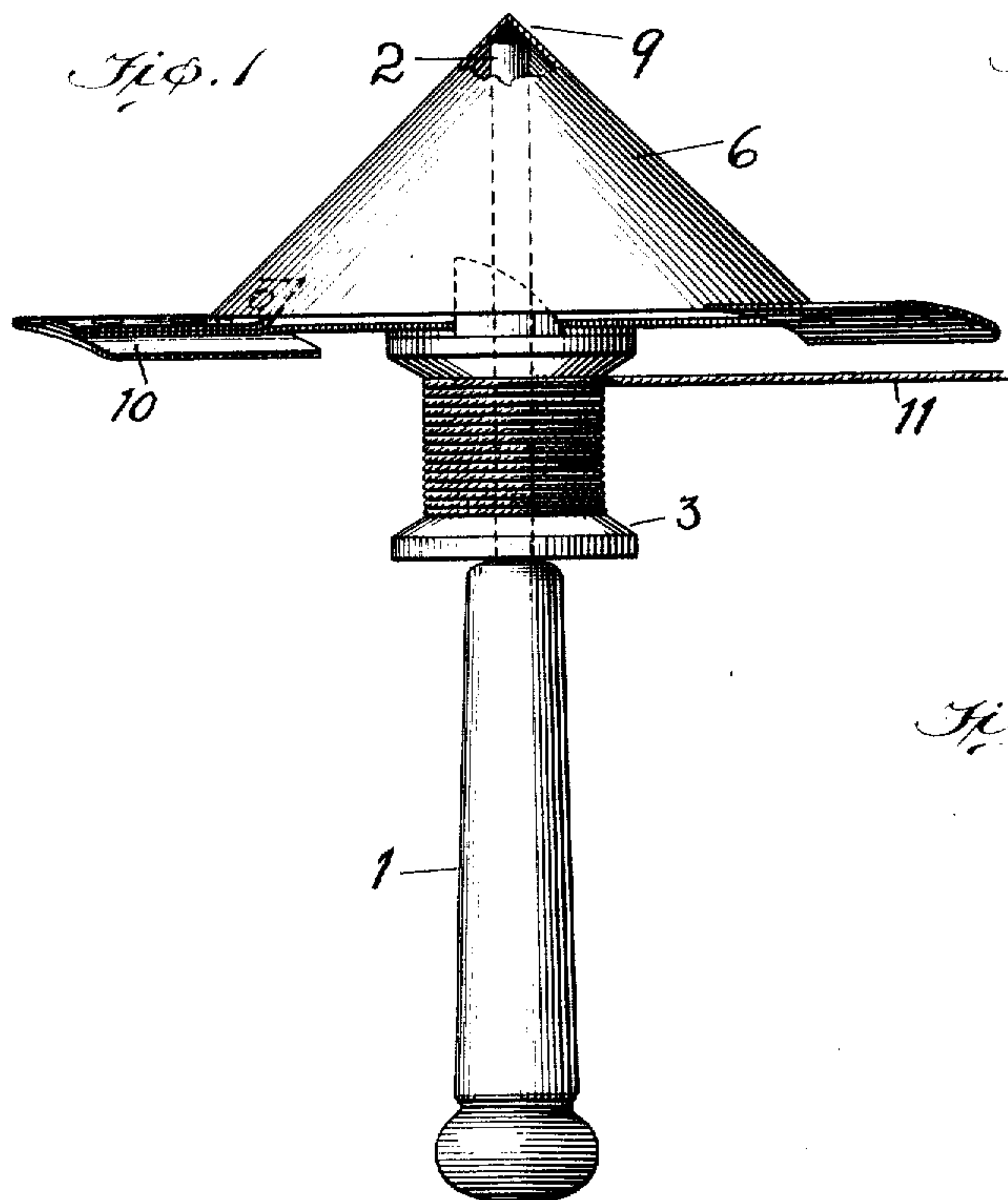


W. D. TRIMBLE.
TOY PROJECTILE.
APPLICATION FILED JULY 29, 1909.

954,404.

Patented Apr. 5, 1910.



Witnesses

Edwin L. Bradford
G. Ferdinand Vogt.

384

William D. Trimble

Mann & Co.,
Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM D. TRIMBLE, OF HAMPTON, VIRGINIA, ASSIGNOR OF ONE-HALF TO
ALEXANDER L. CUMMINGS, OF MELVALE, MARYLAND.

TOY PROJECTILE.

954,404.

Specification of Letters Patent.

Patented Apr. 5, 1910.

Application filed July 29, 1909. Serial No. 510,240.

To all whom it may concern:

Be it known that I, WILLIAM D. TRIMBLE, a citizen of the United States, residing at Hampton, in the county of Elizabeth City and State of Virginia, have invented certain new and useful Improvements in Toy Projectiles, of which the following is a specification.

This invention relates to an improved toy projectile or flying top.

The invention is illustrated in the accompanying drawing in which,—

Figure 1 is a side view of the toy. Fig. 2 is an inverted plan view of the projectile part. Figs. 3 and 4 are side views of the spool. Fig. 5 is a view of the handle and spindle.

Referring to the drawing the numeral, 1, designates a handle which is provided at its end with a spindle, 2. A spool, 3, has a center bore or hole adapted to slip on to the said spindle and be revolved thereon; attached at the upper end of the spool is a circular plate, 4, which has at its rim an upturned flange, 5, one edge at least of which is vertical or straight up and down.

The projectile part of this toy is made of metal and comprises a cone, 6, which points upward, and at the base of the cone are three radial arms, 7, which are united at the center which is provided with a hole, 8, that takes loosely over the spindle, 2, and said center rests upon the top of the spool or on the plate, 4, attached to the spool. The upturned flange, 5, on the spool takes position between two of the radial arms, 7, and the vertical edge of said flange contacts with one of the said arms. When the cone-shaped projectile part is in position on the spool and on the spindle, 2, the hollow apex, 9, of the cone is seated on the end of said spindle, as shown in Fig. 1 and thereby the revoluble

projectile will have two bearings on the spindle, to-wit, one at the hole, 8, and the other at the apex. This construction serves to steady the projectile while it is revolving and getting up speed of revolution preliminary to flying.

The radial arms, 7, are united to the base part of the cone by suitable means. Blades, 10, are attached to the ends of the arms and project sidewise beyond the base of the cone; each blade is slightly twisted similar to a propeller blade. Thus constructed the cone shape contributes to the projectile part rising in the air, and the propeller blades, 10, that project sidewise from the cone cause an action on the air when the cone is revolved that insures the flight or projection. A cord, 11, is to be wound on the spool, and then by holding the handle, 1, in one hand and with the other hand pulling the cord the toy will be operated.

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

A toy projectile consisting of a sheet-metal cone having a hollow apex and provided with radial arms secured to its base—said arms having a center hole; a blade slightly twisted attached to each arm and projecting sidewise from the base of the cone; a spool; a cord to wind on the spool, and a handle provided with a spindle that passes loosely through the spool, through said center hole, and with its end resting in said hollow apex of the cone.

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

WILLIAM D. TRIMBLE.

Witnesses:

L. M. GIDDINGS,
H. P. BARNES.