A. ANDERSON.

TOP SPINNING DEVICE.

APPLICATION FILED APR. 22, 1909.

945,484.

Patented Jan. 4, 1910.

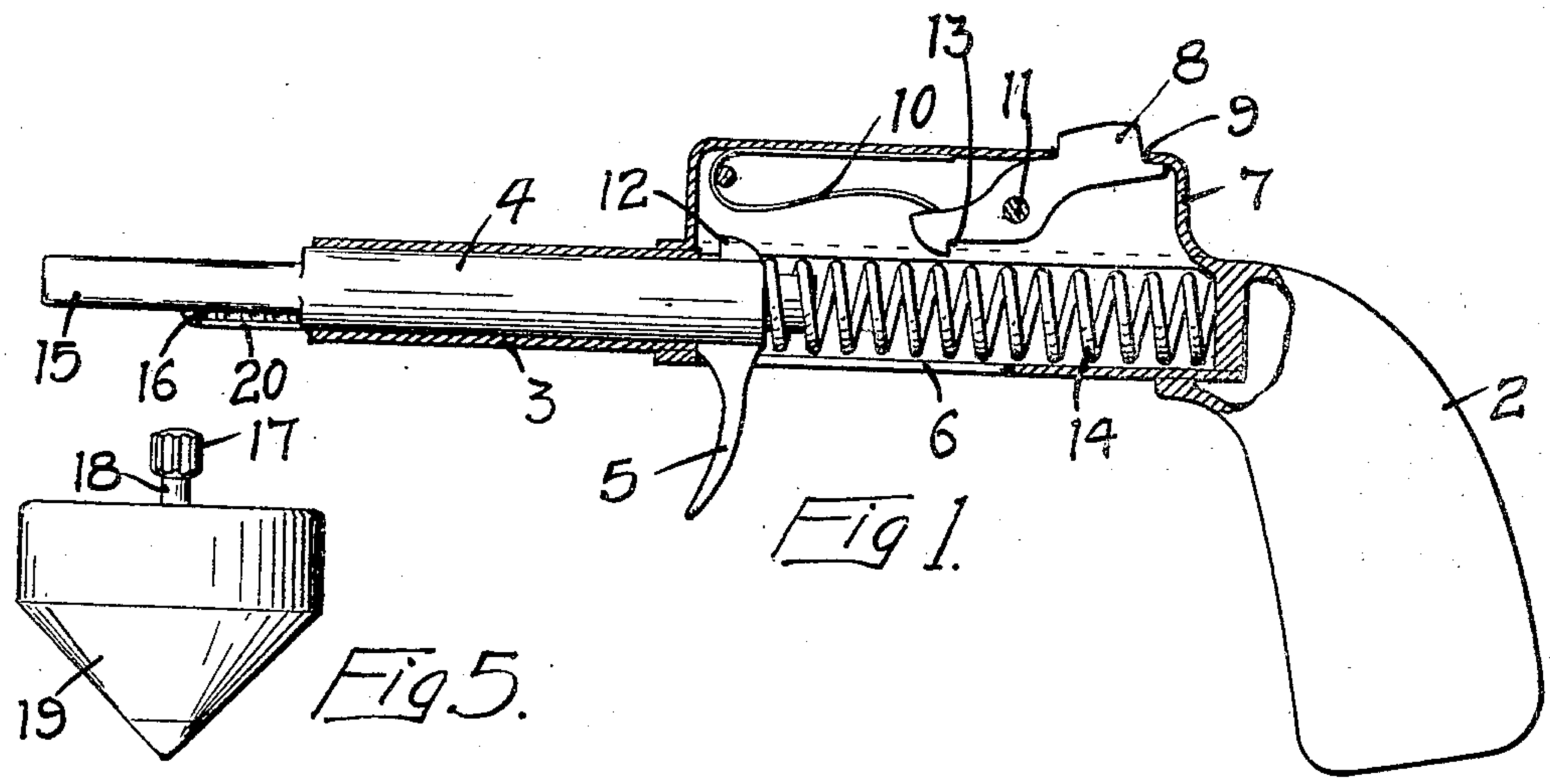

Fig 1.

Fig 5.

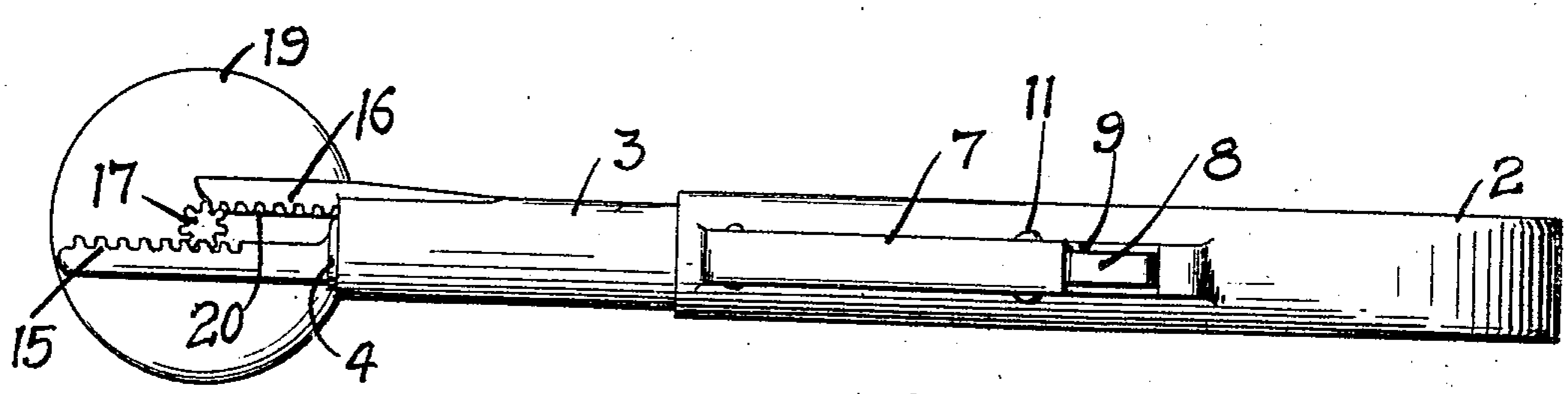

Fig 2.

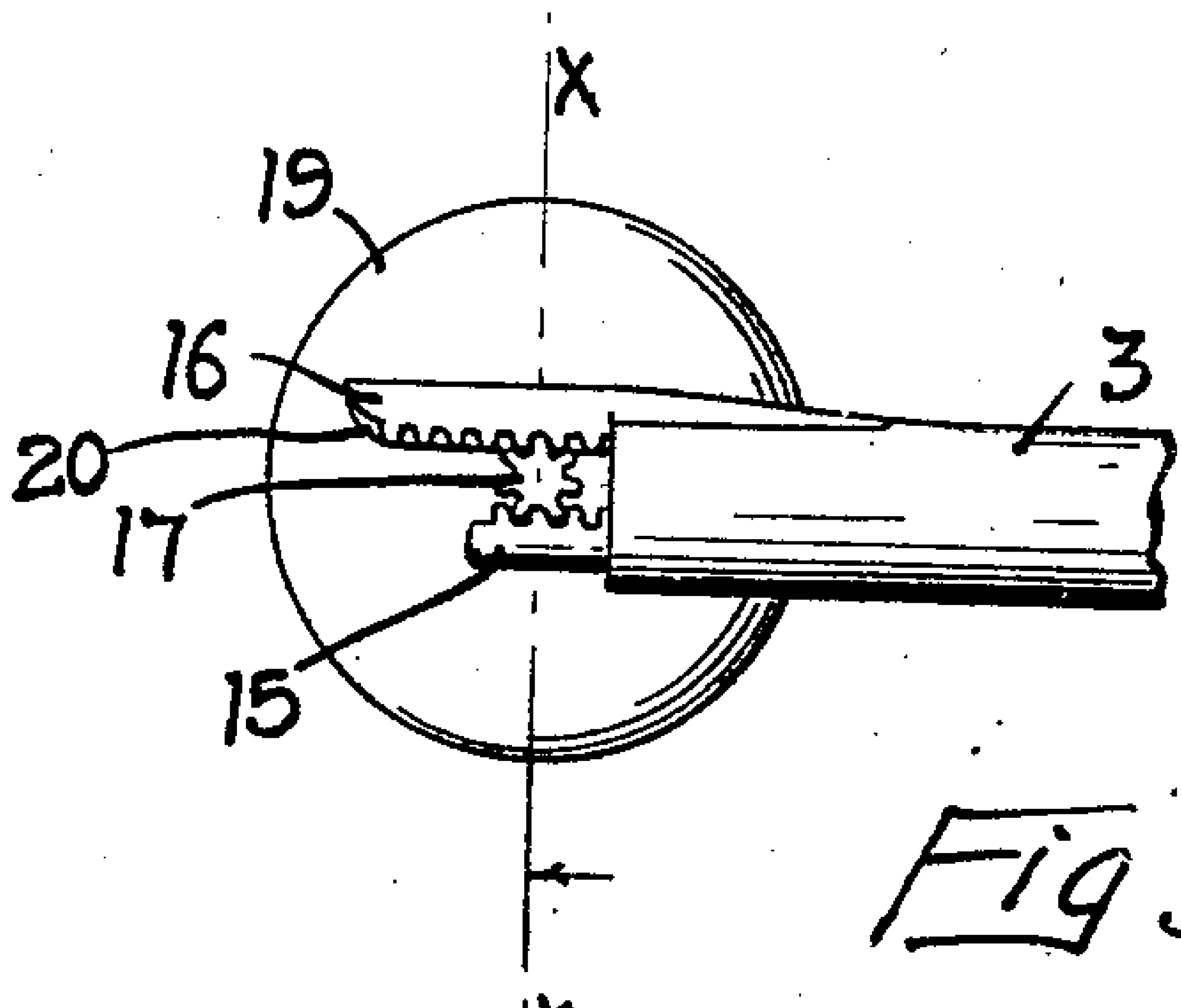

Fig 3.

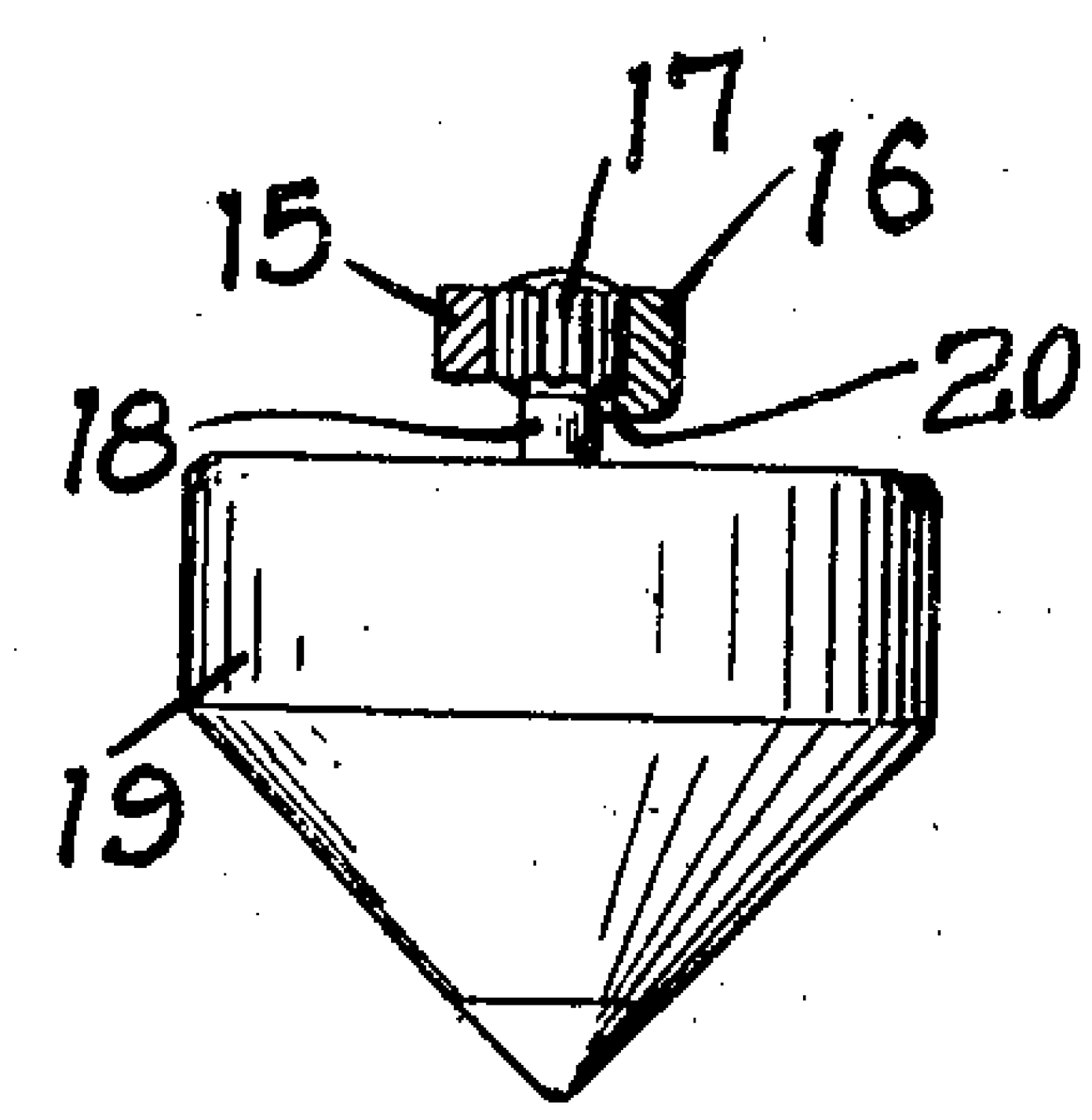

Fig 4. x-x

WITNESSES

INVENTOR
ALFRED ANDERSON
BY Paul & Paul
ATTORNEYS

UNITED STATES PATENT OFFICE.

ALFRED ANDERSON, OF MINNEAPOLIS, MINNESOTA.

TOP-SPINNING DEVICE.

945,484. Specification of Letters Patent. Patented Jan. 4, 1910.

Application filed April 22, 1909. Serial No. 491,473.

To all whom it may concern:

Be it known that I, ALFRED ANDERSON, of Minneapolis, Hennepin county, Minnesota, have invented certain new and useful Improvements in Top-Spinning Devices, of which the following is a specification.

The object of my invention is to provide means by which an ordinary spinning top can be rapidly revolved.

A further object is to provide a device in the form of a pocket pistol having a plunger, which, when released, will impart a revolving movement to the top.

My invention consists generally in various constructions and combinations all as hereinafter described and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a side view of a top-spinning device partially in section, embodying my invention, Fig. 2 is a top view of the same, Fig. 3 is a view illustrating the top mounted in the device and ready to be released, Fig. 4 is a sectional view on the line X—X of Fig. 3, Fig. 5 is a detail view of the top.

In the drawing, 2 represents a hand grip of the pistol, 3 the barrel therefor and 4 a plunger slidable in said barrel and having a depending finger grip 5 arranged to reciprocate in a slot 6 in the under side of the barrel.

7 is a housing mounted on the top of the barrel and inclosing a lever trigger 8, one end of which projects up through an opening 9, its other end being held normally in a depressed position by means of a spring 10. This trigger is centrally mounted on a stud 11. The plunger 4 has a lug 12 thereon that is adapted to enter a notch 13 in the lower end of the trigger lever and lock the plunger in its retracted position against the tension of a coil spring 14, which is provided within said barrel at the rear end of the plunger. The forward end of the plunger is provided with a rack bar 15 and the forward end of the barrel has a stationary rack bar 16 and between these bars and meshing with the teeth thereof, I insert a pinion 17 carried by a stud 18, which projects upwardly from the center of the spinning top 19. When the plunger is retracted within the barrel, the forward end of the rack bar 15 will be in the rear of the bar 16 and the backward movement of the plunger will cause the pinion 17 to ride in between the bars, as indicated in Fig. 3. This bar 16 has a flange 20 on its lower edge, which supports the pinion and prevents the top from dropping down from between the bars.

To discharge the top, the operator will hold the pistol near the floor and parallel therewith and press on the trigger 8, whereupon, the plunger will be released and being projected forward by the tension of the spring, will impart a rotary movement to the top, so that it will spin upon the floor when it is discharged from between the rack bars.

I claim as my invention:—

1. A top spinning device comprising a barrel having a hand grip at one end, a plunger in said barrel, a spring for normally holding said plunger in its projected position, a finger grip depending from said plunger through a slot in said barrel, a lug projecting upwardly from said plunger, a spring-pressed trigger pivotally supported in the path of said lug and having a notch to engage therewith, and means provided at the forward end of said plunger and barrel for imparting a rotary movement to a top when said spring is released.

2. A top-spinning device comprising a barrel having a hand grip, a plunger therein, a spring arranged in said barrel for normally holding said plunger in its projected position, said plunger having a rack bar formed on its forward end, a stationary rack bar mounted on the forward end of said barrel opposite said plunger rack bar and projecting beyond the same when said plunger is retracted, a space being provided between said rack bars to receive a top spindle pinion, and a trigger mechanism arranged to lock said plunger in its retracted position and be operated to release said plunger by the pressure of the finger, substantially as described.

In witness whereof, I have hereunto set my hand this 15th day of April 1909.

ALFRED ANDERSON.

Witnesses:
RICHARD PAUL,
J. A. BYINGTON.