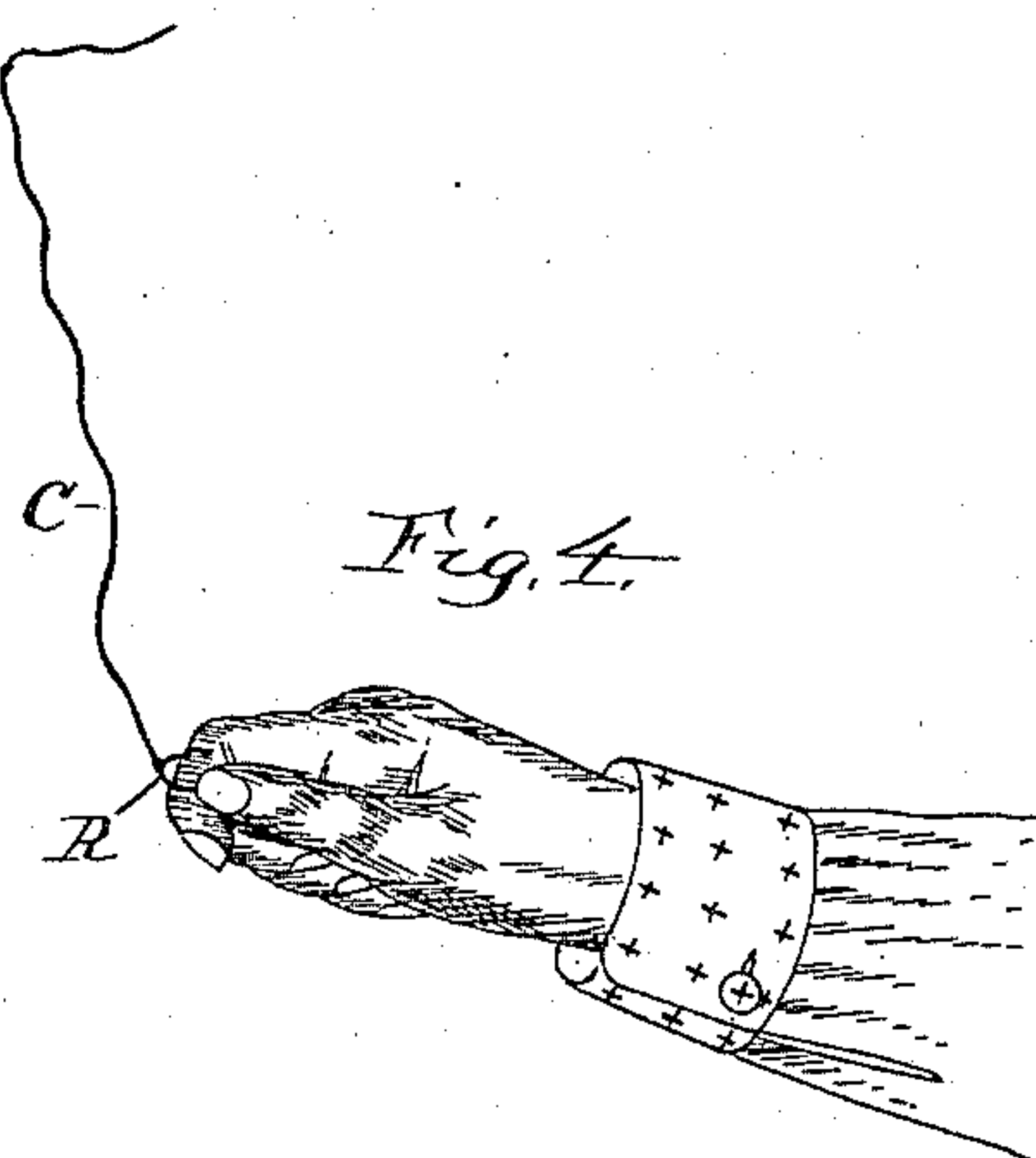
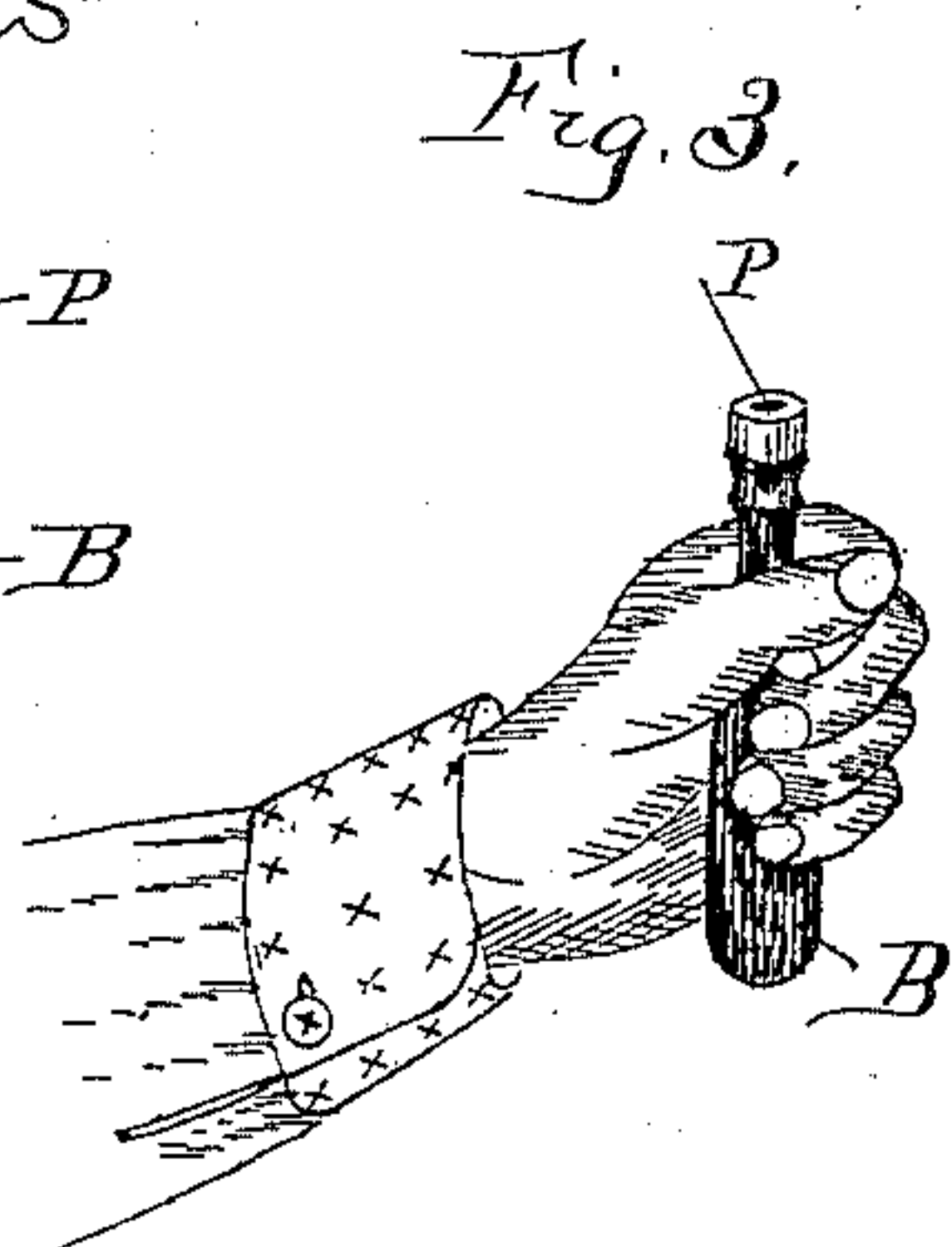
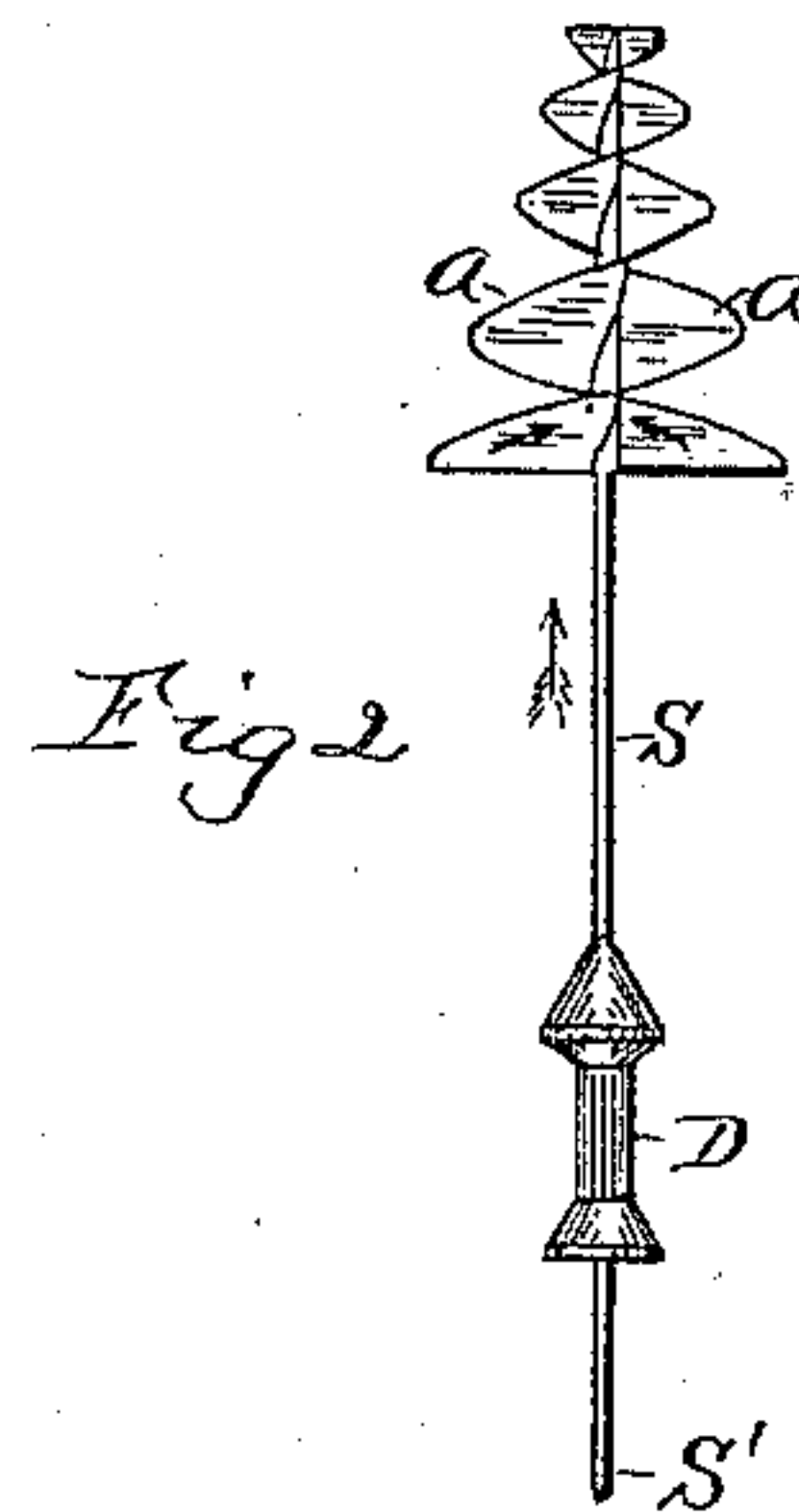
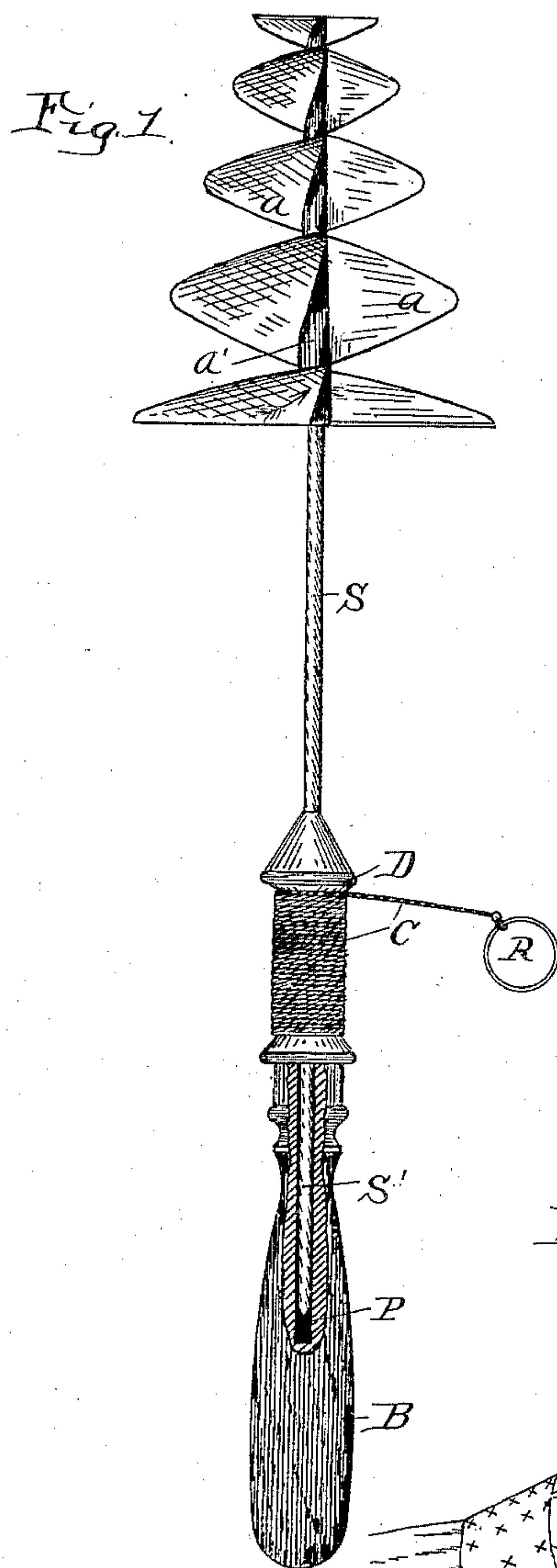


(No Model.)

C. M. GARRISON.
TOY.

No. 432,935.

Patented July 22, 1890.



Witnesses.

A. B. Hagin,
S. M. Noel

Inventor.

Charles M. Garrison.
By Wm J Hutchins

Atty.

UNITED STATES PATENT OFFICE.

CHARLES M. GARRISON, OF WICHITA, KANSAS, ASSIGNOR OF ONE-HALF
TO WM. L. HAZEN, OF SAME PLACE.

TOY.

SPECIFICATION forming part of Letters Patent No. 432,935, dated July 22, 1890.

Application filed November 16, 1889. Serial No. 330,545. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. GARRISON, a citizen of the United States of America, residing at Wichita, in the county of Sedgwick and State of Kansas, have invented certain new and useful Improvements in Toys, of which the following is a specification, reference being had therein to the accompanying drawings, and the letters of reference thereon, forming a part of this specification, in which—

Figure 1 is a side perspective view of my invention, having a portion of the handle thereof broken away to show its socket. Fig. 2 is a similar view with the handle detached. Fig. 3 is a perspective view of the handle thereof grasped by a hand, and Fig. 4 is a similar view of the ring and cord thereof as held by a hand.

This invention relates to certain improvements in aerial toys; and it consists of an upright shaft having fixed to its upper end portion conical spiral wings adapted to rotate with the shaft, and a distance from its lower end a spool, about which a cord is wound, and of a handle provided with a socket, into which the lower end of the shaft is placed, which improvements are fully set forth and explained in the following specification and claims.

Referring to the drawings, S is the upright shaft.

A and A are the spiral wings fixed to a socket *a'*, into which the shaft is secured; however, the wings may be secured direct to the shaft. The said wings are made to gradually increase in surface from their top down, which gives a conical form to them when in ascending position, which better adapts them to pierce the air and also assists in steadying the toy when ascending.

D is the spool, secured on the shaft a distance from the lower shaft end, as shown, and is conically formed at its upper end, which causes it to give less resistance when ascending.

B is the handle, provided with the socket P, into which the lower end S' of the shaft is placed, which portion S' of the shaft serves as a spindle, upon which the upper portion of the toy rotates while imparting motion thereto.

C is the cord, provided with the ring R, secured to one end, and is adapted to be wound about the spool, as shown in Fig. 1.

In use the handle is grasped as shown in Fig. 3, the spindle S' being arranged in the handle-socket, as shown in Fig. 1. The cord is then grasped by placing a finger through the ring, when a quick pull on the cord will unwind it, as shown in Fig. 4, and the ascending portion of the toy will thereby be given a rapid rotary motion, which will cause it to leave the handle and ascend into the air, as shown in Fig. 2, and thus present an imposing aspect.

I do not desire to confine myself in this invention to a small toy; but it may be of sufficient size and given sufficient rotary motions to enable it when ascending to carry considerable weight other than itself which it may be desired to attach to it.

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

1. The herein-described aerial toy, consisting of the combination of the shaft S, the conically-formed spiral wings A A fixed thereto, the spool fixed on the shaft below said wings, and the socketed handle B, substantially as and for the purpose set forth.

2. In the herein-described aerial toy, the combination, with the shaft S, of the conically-formed spiral wings A A and the conically-formed spool D, substantially as and for the purpose specified.

CHARLES M. GARRISON.

Witnesses:

WM. J. HUTCHINS,
W. L. HAZEN.