

No. 649,673.

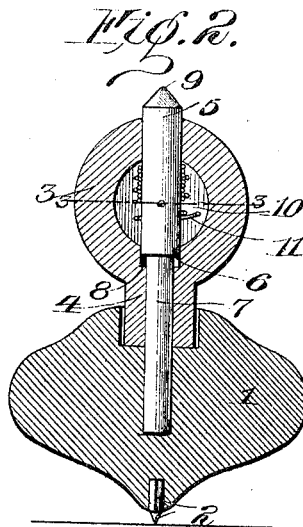
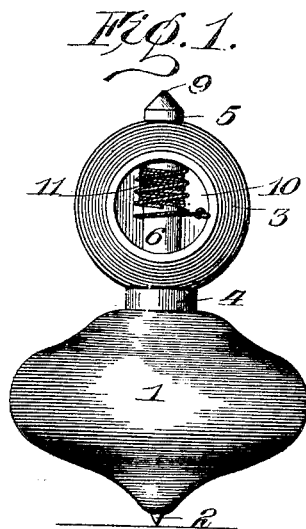
W. E. PATCHIN.

Patented May 15, 1900.

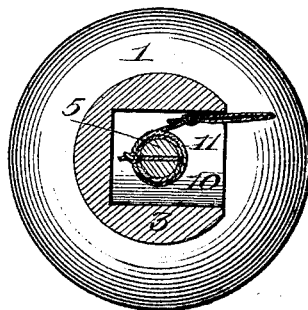
SPINNING TOP.

(Application filed Mar. 20, 1900.)

(No Model.)



*Fig. 3.*



Witnesses:

Frederic A. Bentley,  
Willard Rich.

Inventor,  
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by Charles M. Munch  
his Attorneys.

# UNITED STATES PATENT OFFICE.

WILLIAM E. PATCHIN, OF ROCHESTER, NEW YORK.

## SPINNING-TOP.

SPECIFICATION forming part of Letters Patent No. 649,673, dated May 15, 1900.

Application filed March 20, 1900. Serial No. 9,415. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM E. PATCHIN, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Spinning-Tops; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

My present invention has for its object to provide a spinning-top consisting of a revolvable body portion having a driving-spindle attached thereto and supporting a suitable handle, forming a receptacle within which is arranged a suitable driving means connected to the said spindle.

To these and other ends my invention consists in certain improvements in construction and combination of parts, all as will be described and the novel features pointed out in the claims at the end of this specification.

In the drawings, Figure 1 is a side elevation of a spinning-top constructed in accordance with my invention. Fig. 2 is a vertical sectional view. Fig. 3 is a horizontal sectional view on the line 3 3 of Fig. 2.

Similar reference-numerals in the several figures indicate similar parts.

In constructing my top I employ a spinning body 1, preferably circular in form, provided upon its lower side with a point 2 and constructed of hard wood or other suitable material of sufficient weight to be capable of being revolved and exerting by its own inertia a centrifugal force sufficient to balance itself while in motion. A handle by which the top may be held when set in motion is mounted upon the upper side of the body and consists of a knob or ball 3, preferably cylindrical in form, having upon its lower end a neck or extension 4, passing loosely into a recess in the body. A centrally-arranged spindle or shaft 5 extends vertically through the handle, having the enlarged upper end, as shown, forming the shoulder 6, from which the smaller end 7 passes through a shoulder 8 in the neck 4 and is secured in the body. The upper end of the spindle is also pointed at 9, and the top may be inverted and spun in this position, if desired. An aperture 10 is formed in one side

of the knob or ball of the handle, and the shaft 5 is pierced transversely to permit securing a string or cord 11, which may be wound upon the spindle by a few rotations of the top, when by holding the handle and forcibly withdrawing the cord the spindle will be revolved and the top set in motion. The motion imparted is so rapid that before the operator can set the top down the cord, which has been released from the fingers, being prevented from rotation by contact with the side of the receptacle, has been again wound upon the shaft in the opposite direction and drawn into the receptacle ready for a subsequent operation, and upon releasing the knob or handle the latter is revolved with the body of the top.

In constructing my device I provide the neck or extension 4 slightly longer than the recess into which it is inserted, so as to form a short space between the top-body and the knob 3, and I also separate the shoulders 6 and 8 to permit a slight vertical movement of the handle upon the spindle, as I find that this arrangement will prevent the cord from being wound upon the spindle in such a manner as to crowd against the side of the aperture, or if a long string is employed and the operator happens to release it too quickly, so that the outer end falls against the body and is carried around therewith, it will also prevent the cord wedging between the latter and the knob 3, arresting its motion before the operator can set the top down upon a suitable surface and remove his hand from the handle.

Tops constructed according to my invention are simple and may be cheaply produced, and the weight being close to the point the device is perfectly balanced.

I claim as my invention—

1. In a spinning-top the combination with a body having the point upon its lower side, the spindle extending from the upper side of the body having the shoulder thereon and the handle surrounding the spindle and resting upon the body having the shoulder formed therein below the upper end, for engaging the shoulder in the handle and securing the knob to the body, and means for revolving the body independent of the handle.

2. In a spinning-top, the combination with a body having the point upon its lower side

and the spindle arranged upon the upper side of the body, having the shoulder, of the handle surrounding the spindle having the opening in its side, and the shoulder formed there-  
5 in below the upper end and engaged by the shoulder on the spindle and the cord attached to the latter within the opening in the handle.

3. In a spinning-top, the combination with the body having the aperture in its upper side,  
10 and the spindle rising from the center there-

of, having the shoulder, of the handle having the lateral opening, the extension upon the lower side around the spindle and the shoulder therein, and the cord attached to the spindle within the opening in the handle.

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Witnesses:

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