

(No Model.)

N. D. HAUVER.

PROPELLING DEVICE FOR SPINNING TOPS.

No. 306,483.

Patented Oct. 14, 1884.

Fig. 1

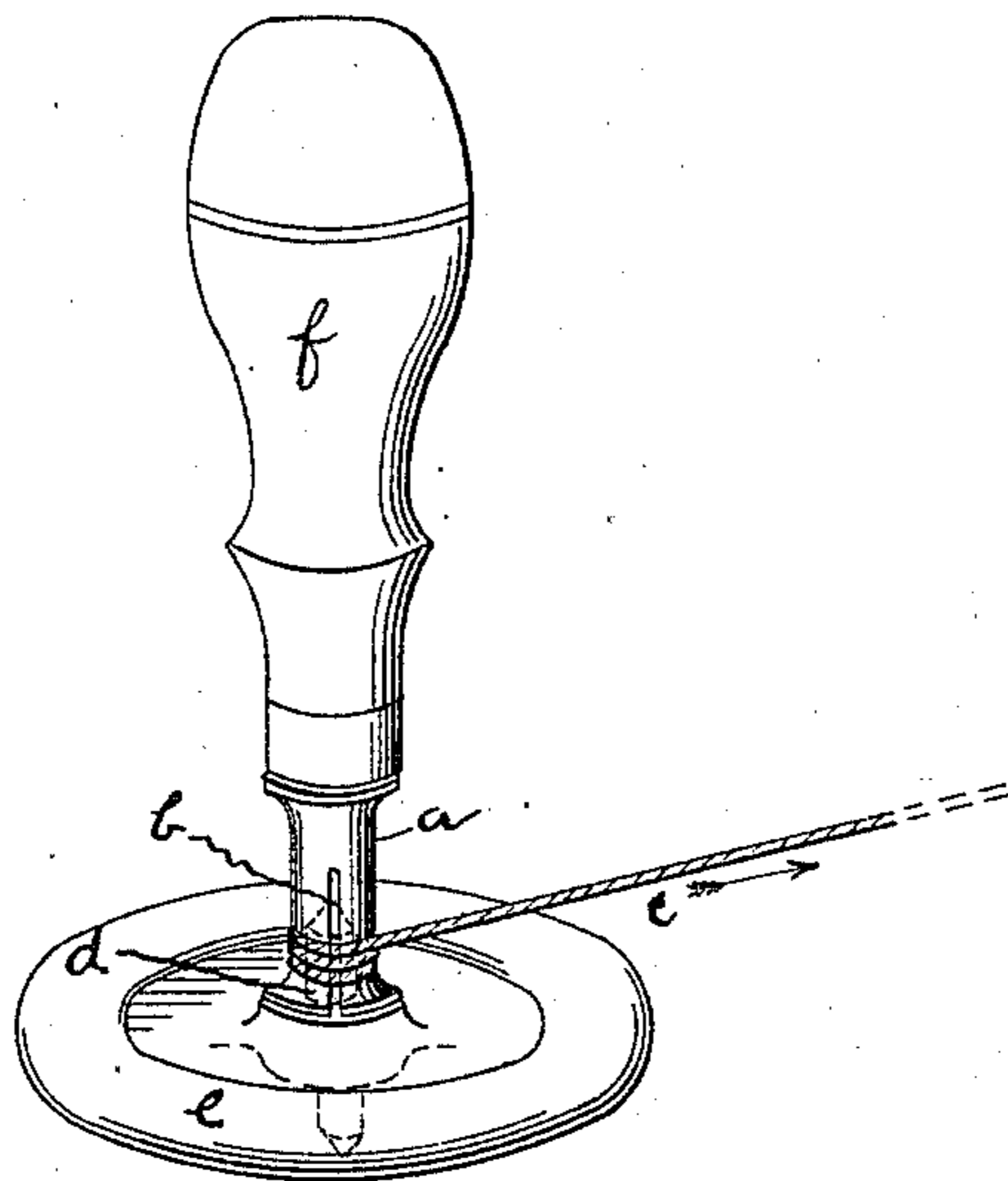


Fig. 2.

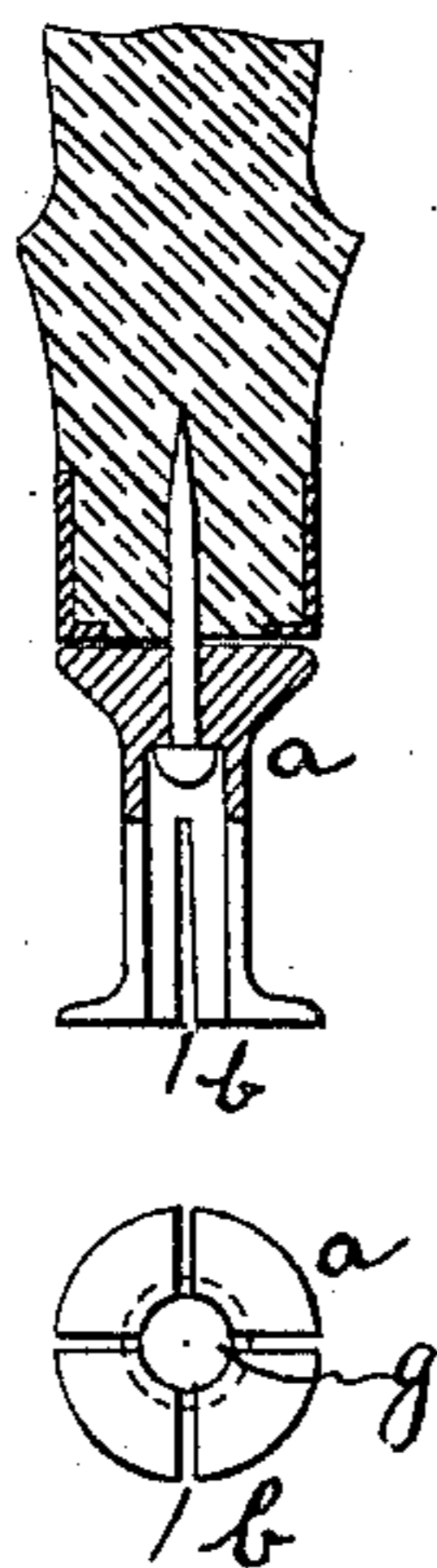
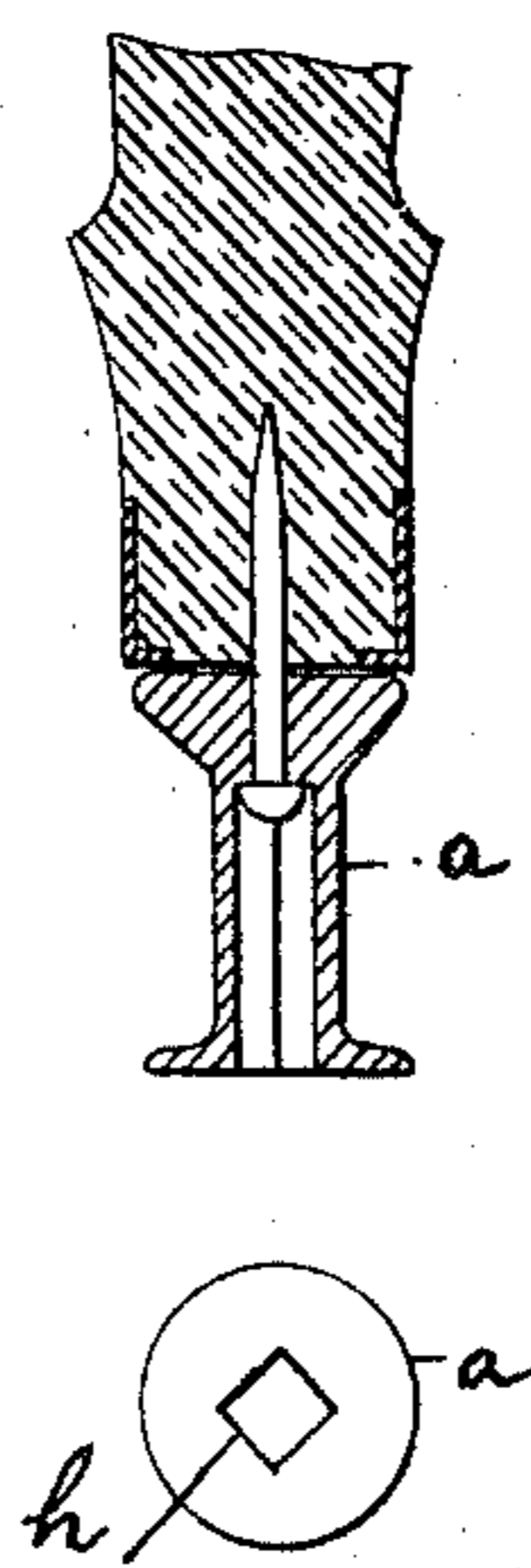


Fig. 3.



Witnesses:
H. P. Parker,
Wayland Turner.

Inventor:

N. D. Hauver

UNITED STATES PATENT OFFICE.

NOAH D. HAUVER, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO JOHN W. ATWOOD, OF SAME PLACE.

PROPELLING DEVICE FOR SPINNING-TOPS.

SPECIFICATION forming part of Letters Patent No. 306,483, dated October 14, 1884.

Application filed October 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, NOAH D. HAUVER, a citizen of the United States, residing at the city, county, and State of New York, have invented a new and useful Device for Propelling Spinning-Tops, of which the following is a specification.

My invention relates to improvements in toy spinning-tops and the method of holding them in position while the propelling force is communicating to the top the required momentum to spin it. I am aware that different devices have been employed for this purpose, and that there is nothing new in using the cord to spin the top by attaching it to the neck or body and winding and unwinding the same to obtain necessary impetus to revolve it; but all such devices have proved defective and uncertain, the top generally striking the surface upon which it is expected to spin at random, and the result being either dependent upon chance or the skill of the spinner. My device is intended to remedy these defects and to eliminate from this amusement or reduce to a minimum the elements of chance and skill, thereby enabling the most inexperienced to secure a safe and sure result at every trial. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the device in position for operating. Fig. 2 is a sectional and end view of the hollow revolving elastic sleeve. Fig. 3 is a sectional and end view of a hollow revolving sleeve with a square opening.

The revolving sleeve *a* is a separate and independent piece, made elastic by slotting the

sides, as at *b*, so that when the cord *c* is wound tightly around it the sides contract and press correspondingly against and around the stem *d* of the top *e*. When the cord is unwound, the pressure is relaxed and the top readily disengages itself from the sleeve. The sleeve is pivotally attached to a handle, *f*, as is shown in Fig. 1, and the cord can be wound around it while the top is spinning, so that it will be ready to start the top again when it ceases to spin. By this arrangement the top can be spun on any smooth surface and with greater momentum than by any other way. The top may be made a double-ender or both ends alike. The stem may be round or square on the shank. The hollow revolving sleeve can be made to accommodate either shape by being formed with a round socket, as shown at *g* in Fig. 2, or a square one, as shown at *h* in Fig. 3. In fact this device can be readily adapted to almost any style or form of top.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The revolving hollow elastic sleeve, as shown and described, and for the purpose specified.

2. The combination of the revolving hollow elastic sleeve with a spinning-top and a driving-cord, substantially as shown and described.

3. A revolving hollow detachable sleeve, in combination with a handle to control sleeve and top at the time the cord is being drawn off the sleeve while it is attached to the stem and driving the top, as shown and described.

NOAH D. HAUVER.

Witnesses:

C. B. MORSE,

WAYLAND TURNER.