No. 791,080. PATENTED MAY 30, 1905.

I. L. DAVENPORT.

SPINNING TOP.

APPLICATION FILED JAN. 9, 1905.

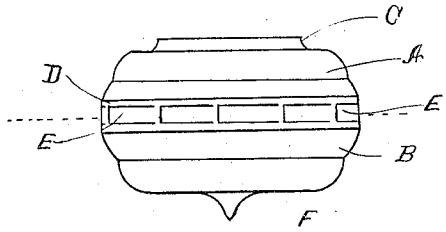

Fig 1

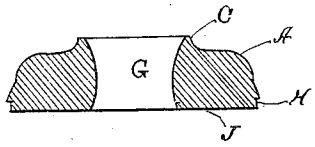

Fig 2

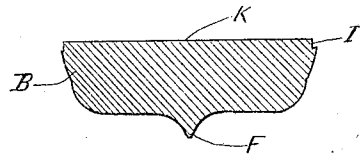

Fig 3

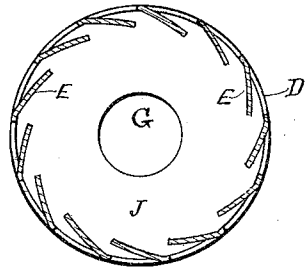

Fig 4

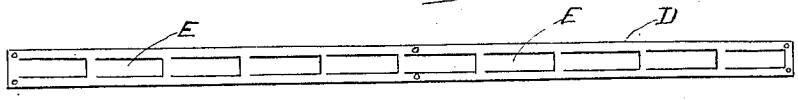

Fig 5

Isaac L. Davenport.

INVENTOR.

WITNESSES:

Blair S. Stine

Wendell F. Wingender

No. 791,080. Patented May 30, 1905.

UNITED STATES PATENT OFFICE.

ISAAC L. DAVENPORT, OF CAMDEN, NEW JERSEY.

SPINNING-TOP.

SPECIFICATION forming part of Letters Patent No. 791,080, dated May 30, 1905.

Application filed January 9, 1905. Serial No. 240,372.

To all whom it may concern:

Be it known that I, ISAAC L. DAVENPORT, a citizen of the United States, residing in the city of Camden, in the county of Camden and State of New Jersey, have invented a new and useful Improvement in Spinning-Tops, of which the following is a specification.

My invention relates to spinning-tops of the turbine order, and has for its object the production of a top that may be operated without the use of cords or springs and that may be easily operated by the force of the breath and that may be kept running as long as desired by simply blowing occasionally into the opening in the upper part and one that is very simple and inexpensive to make. I obtain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view of my invention. Fig. 2 is a vertical sectional view of the upper portion of the body. Fig. 3 is a vertical sectional view of the lower portion of the body. Fig. 4 is a horizontal sectional view of the upper portion of the body with the band containing the blades on a line shown by dotted lines at Fig. 1, and Fig. 5 is a view of the band.

Referring by letters to said drawings, A indicates the upper section of the body, which is preferably made of wood, having a plane horizontal surface underneath and provided with a vertical central opening G and a groove H around the lower edge. The top terminates in a lip C around the opening G.

B indicates the lower portion of the body, preferably made of wood, having a plane horizontal upper surface and is provided with the groove I and the point F.

D indicates a band, which may be made of any suitable sheet metal, from which are the tongues or blades E E cut free except at one end and turned inward, as represented at Fig. 4.

The blades E E are set in between the two horizontal walls of the two sections of the body A and B at an angle to the periphery, forming passages through which the air must pass to escape from the central opening G. The upper and lower edges of the band D engage the grooves H and I, thus holding the upper and lower sections of the top in place.

The operation of my invention is as follows: A brisk puff of air is blown into the vertical opening G and in escaping out between the horizontal walls comes in contact with the inner sides of the blades E E, causing the top to rotate at a high speed.

Having described my invention, what I claim is—

1. In a turbine-top, the combination of an upper section having a plane horizontal under surface and provided with a vertical central opening, a lower section having a plane horizontal upper surface, and tapering to a point underneath, a flat band engaging the upper and lower sections of the body, provided with vertical blades extending obliquely in between the two horizontal surfaces, and openings through the band corresponding to the spaces between the blades, substantially as shown and described.

2. In a turbine-top, the combination with the body comprising the upper and lower sections a band engaging the periphery of the sections, with narrow blades cut free except one end, the free portion of said blades turned in between the two sections of the body, and a central vertical opening through the upper section of the body, substantially as shown and described.

3. In a turbine-top, the combination with the body comprising the two sections a band having a series of vertical curved blades extending obliquely between the upper and lower sections of the body, and a vertical cylindrical opening through the upper section of the body, substantially as shown and described.

4. In a turbine-top, the combination with the body comprising the upper section having a flat under surface, a vertical central opening, and the lower section having a flat upper surface, and a tapering point at the bottom, a band engaging the two sections having a series of vertical curved blades turned in obliquely between the two sections, substantially as shown and described.

In testimony of which I sign my name in the presence of two witnesses.

ISAAC L. DAVENPORT.

Witnesses:
CLARENCE B. VAN NAME,
J. F. EASTLACK.