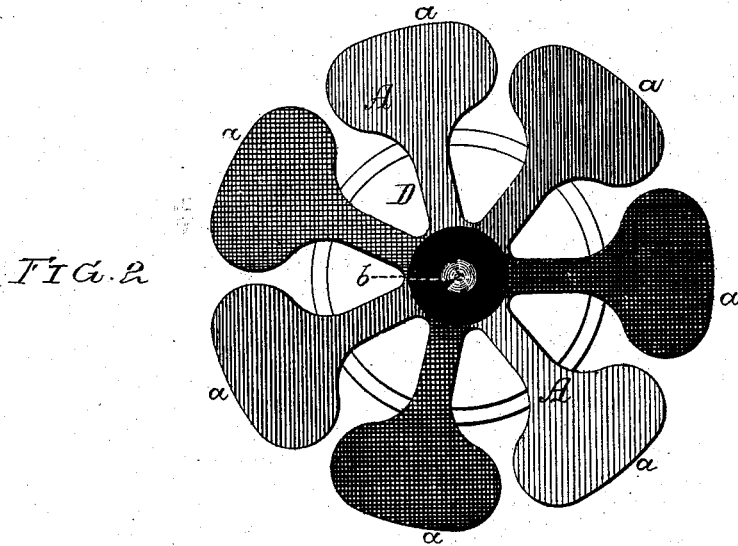
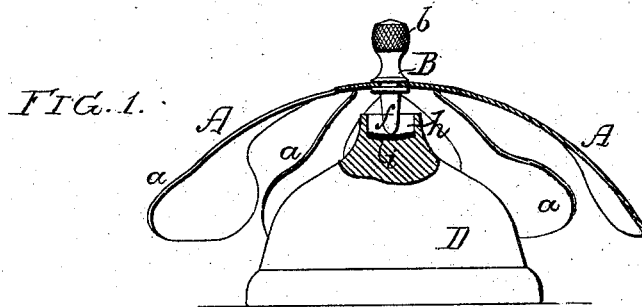


A. DENAYROUZE.
Spinning-Top.

No. 209,238.

Patented Oct. 22, 1878.



Witnesses,

Harry Smith
John W. Deemer.

Inventor,
Auguste Denayrouze
by his Attorneys
Howson and Son

UNITED STATES PATENT OFFICE.

AUGUSTE DENAYROUZE, OF PARIS, FRANCE.

IMPROVEMENT IN SPINNING-TOPS.

Specification forming part of Letters Patent No. **209,238**, dated October 22, 1878; application filed May 22, 1878.

To all whom it may concern:

Be it known that I, AUGUSTE DENAYROUZE, of Paris, Republic of France, have invented an Improvement in Spinning Toys, of which the following is a specification:

The main object of my invention is to make a spinning-top which can be made to turn for a long time with a very slight effort.

In the accompanying drawings, Figure 1 is a vertical section of the spinning-top, and Fig. 2 a plan view of the same.

The top consists of a body made in the form of a cup, or concavo-convex disk A, and a central pivot-pin, B. The lower portion of the latter terminates in a point, *f*, so situated in respect to the body that the center of gravity of the latter shall always be below the said point, this being an essential feature of my invention.

The body of the spinning-top, which may be made of sheet iron or other appropriate material, is cut away or otherwise so formed as to present a series of radial arms—seven in the present instance—each arm having an enlarged end, *a*, of an oval, round, or other shape.

The central pivot-pin, B, has at the top a knob, *b*, to be held between the finger and thumb in setting the top in operation, the point *f* of the pivot bearing on the bottom *i* of a recess, *h*, formed in the top of a base or stand, D, the bearing-surface in the bottom of the recess being preferably concave, and made of glass or other smooth and hard material, so as to avoid undue friction.

If the arms and the enlarged ends are painted

with primitive colors, a very pleasing effect will be produced when the top is spun, by the merging of the colors into each other with a rainbow-like effect.

Grotesque pictures or other devices to amuse children may be painted on or attached to the body of the top; or the body itself may be so cut as to represent horsemen, acrobats, soldiers, or other figures.

The base D may consist either wholly or in part of a reflecting-mirror, and the under side of the arms, as well as the upper side, painted in different colors, in which case there will be a very striking and attractive blending of colors when the top is rotated.

As all of the arms are bent to the same curve, there will be but little resistance of the air to interfere with the long-continued rotation of the top.

I claim as my invention—

1. A spinning-top in which a dished body with portions cut away is combined with a pivot-pin the point of which is above the lower edge of the body, as set forth.

2. The combination of a base or stand, D, consisting wholly or in part of a reflecting-mirror, with a top the body of which has projecting arms, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

AUGUSTE DENAYROUZE.

Witnesses:

PAUL GIFFARD,
GEORGES PASCAL,
Paris, France.