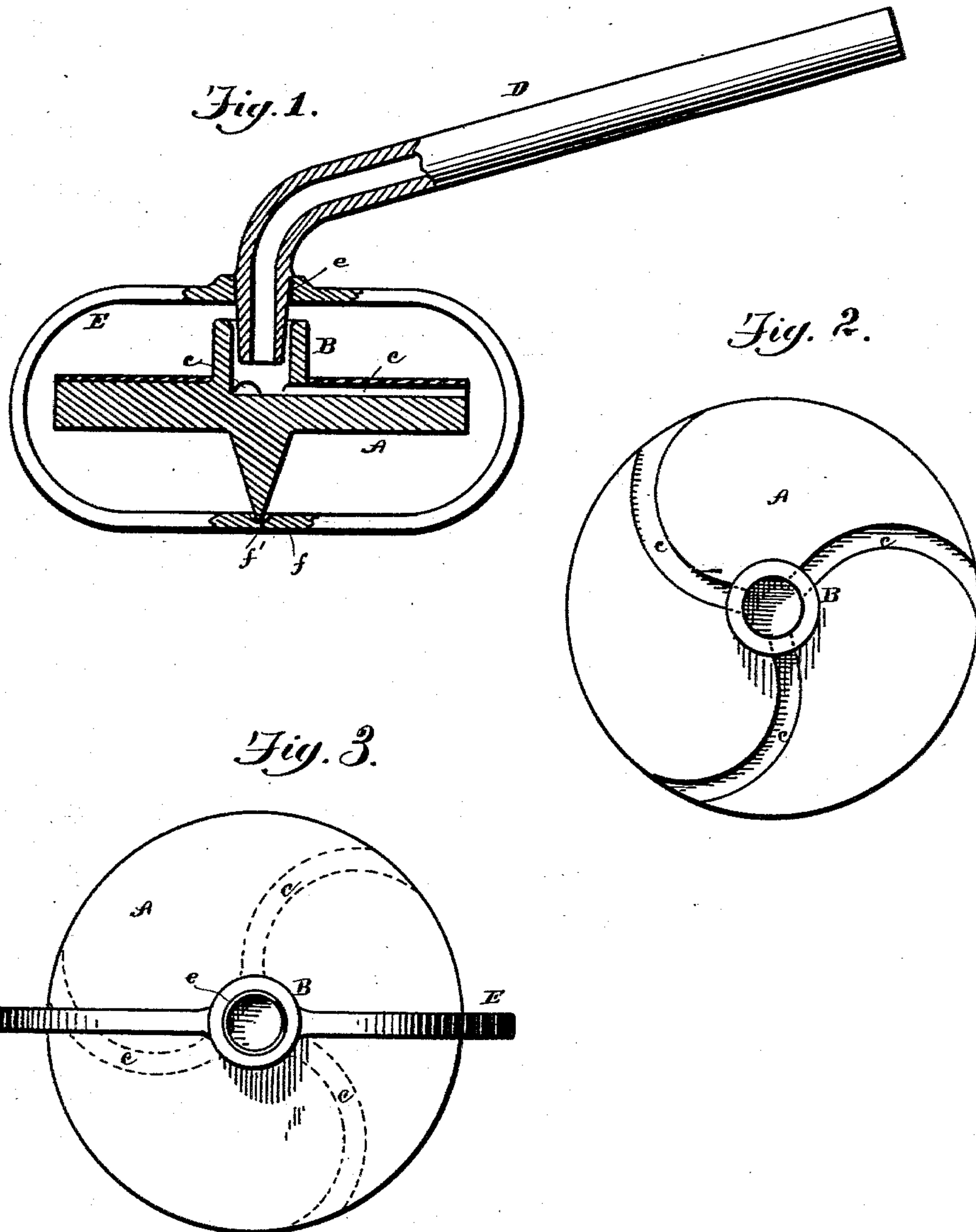


(No Model.)

A. P. MONNIER.
SPINNING TOP.

No. 561,944.

Patented June 9, 1896.



WITNESSES
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UNITED STATES PATENT OFFICE.

ALFRED P. MONNIER, OF GREENFIELD, MICHIGAN, ASSIGNOR OF THREE-
FOURTHS TO JOHN C. GOODRICH, OF DETROIT, MICHIGAN.

SPINNING-TOP.

SPECIFICATION forming part of Letters Patent No. 561,944, dated June 9, 1896.

Application filed February 3, 1896. Serial No. 577,844. (No model.)

To all whom it may concern:

Be it known that I, ALFRED P. MONNIER, a citizen of the United States, residing at Greenfield, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Spinning-Tops; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to tops, and has for its object an improved toy of this class which is adapted to receive its initial impulse from an air-blast, and is so constructed and arranged that further impulses or continuous impulses can be imparted to it during the time while it is in motion. The top may be spun on any tabular surface, or it may have a table prepared specially for it and connected with the blast-pipe used to direct the propelling air into the proper channels.

In the drawings, Figure 1 shows the top and frame in section. Fig. 2 is a plan of the top. Fig. 3 is a plan of the frame with top in position.

The top A is provided with a hollow spindle B and with air-ducts *c c c*, that lead from the hollow spindle B through the body of the top to the periphery of the top and deliver the escaping air in a direction tangential to the periphery. A pipe D, used after the fashion of a blowpipe, is employed to actuate the top. The end of the pipe D is inserted in the hollow spindle, in which it fits very loosely, and a blast of air blown through it. The pipe

may now be lifted out from the hollow spindle and may be replaced when the spinning motion of the top slackens.

E indicates a frame or ring provided with a hole *e* on one side for the reception of the end of the pipe D and with a small table *f* on the opposite side. The top is held by the end of the pipe D, which projects into the hollow spindle, and by the little table *f*, which preferably has a small cavity *f'*, and the entire device is held in the hand, or with a little practice the spinning-top may be removed from the table *f* onto another tabular surface.

What I claim is—

1. In combination with a top provided with a hollow spindle and air-passages leading outward from the spindle through the body of the top, and arranged to deliver air in a direction tangential to the top-body, a blast-pipe adapted to engage loosely in the hollow spindle, substantially as described.

2. In combination with a top provided with a hollow spindle and air-passages leading outward from the spindle and arranged to deliver air in a direction tangential to the top-body, a blast-pipe adapted to engage loosely in the hollow spindle, and a holding-frame provided with a table and with an orifice adapted to engage the end of the blast-pipe, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

ALFRED P. MONNIER.

Witnesses:

VIRGINIA M. CLOUGH,
F. CLOUGH.