

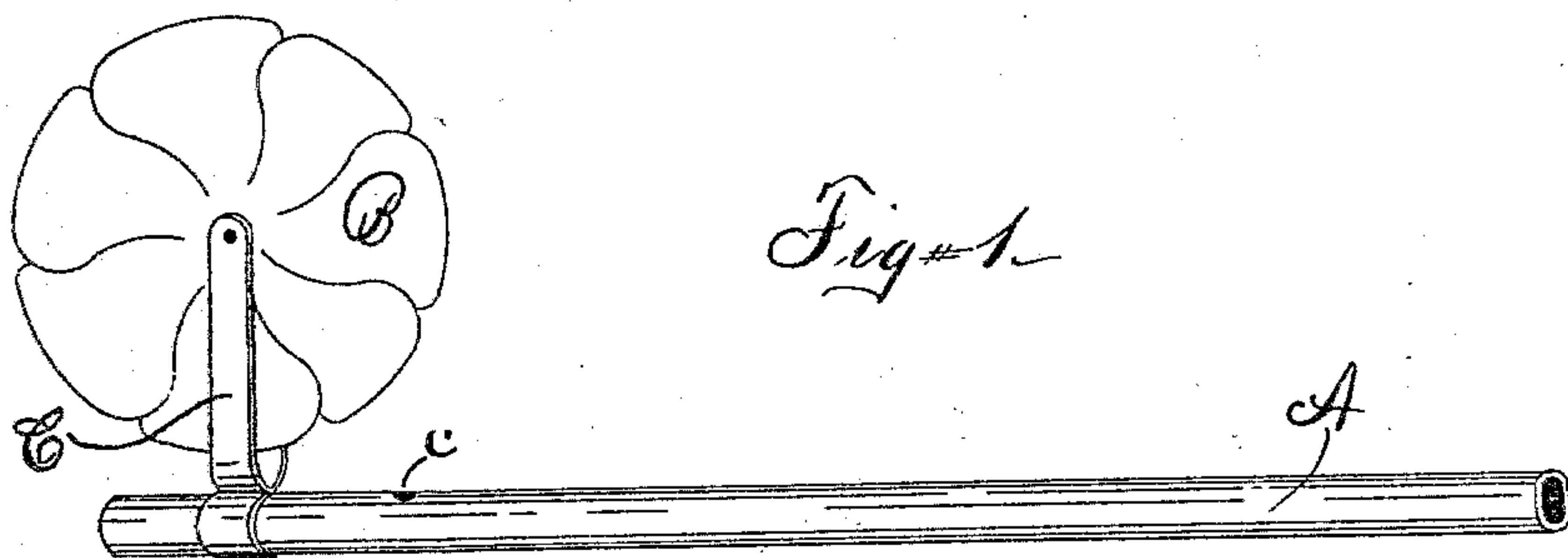
(No Model.)

M. RAUGHTIGAN.

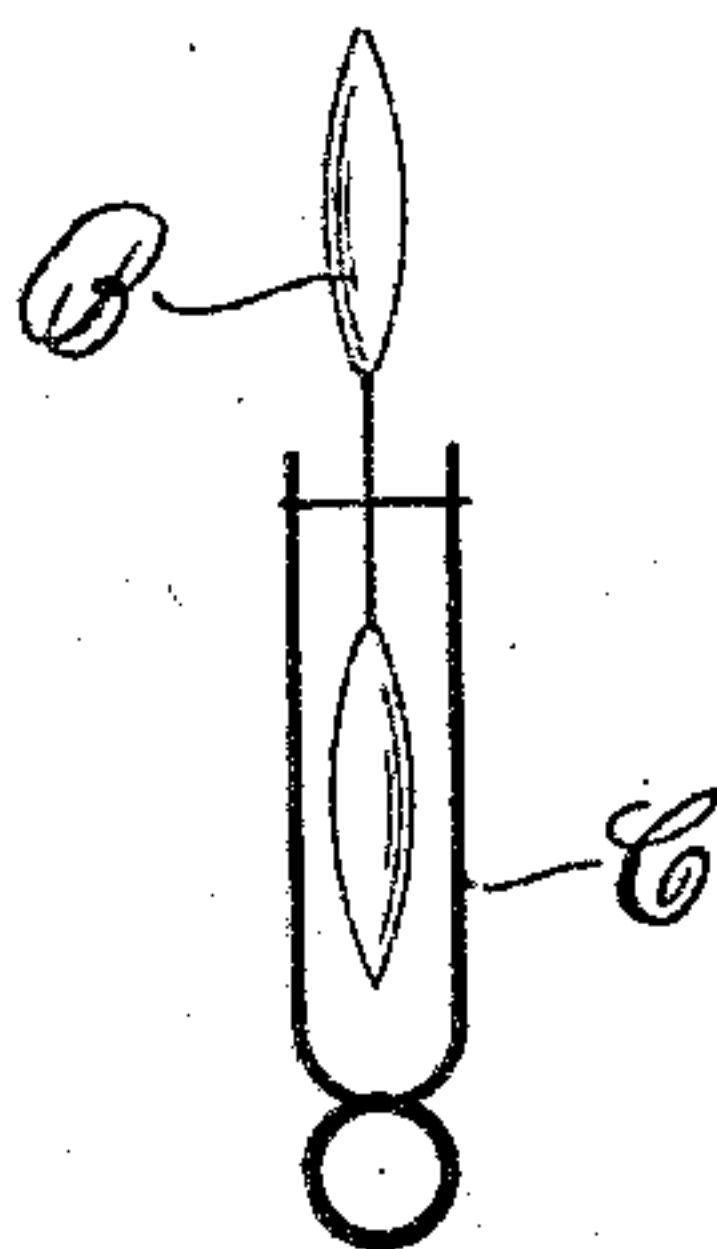
TOY.

No. 296,351.

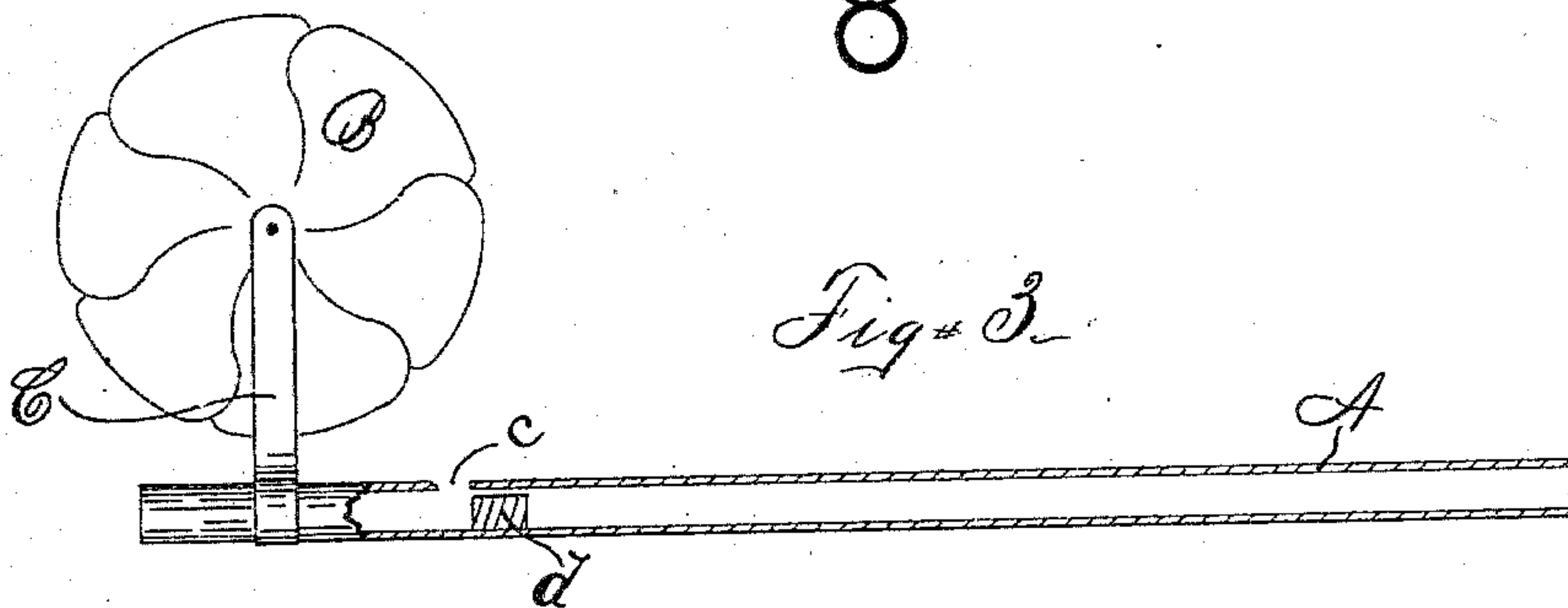
Patented Apr. 8, 1884.



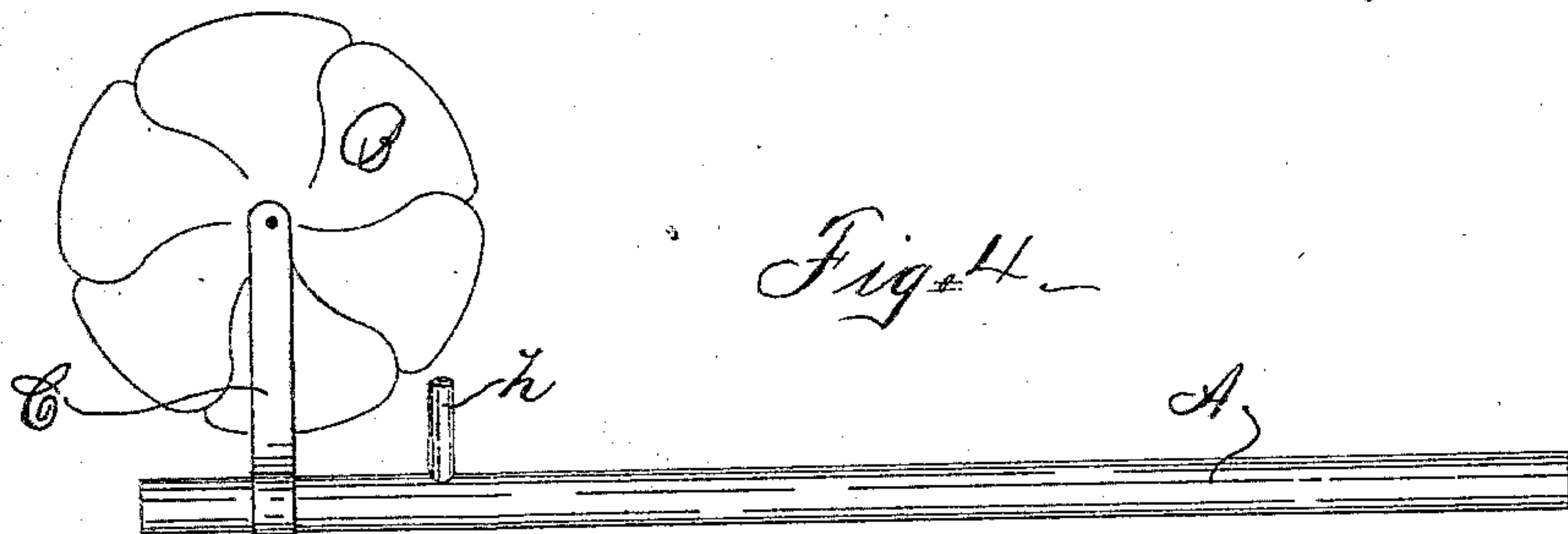
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*

WITNESSES.

Frances S. Allen  
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INVENTOR.

Michael Raughtigan  
By his Attorney  
Frank H. Allen

# UNITED STATES PATENT OFFICE.

MICHAEL RAUGHTIGAN, OF NORWICH, CONNECTICUT, ASSIGNOR TO EDWIN OLDFIELD, EDWIN A. TRACY, AND EMMA J. RAUGHTIGAN, ALL OF SAME PLACE.

## TOY.

SPECIFICATION forming part of Letters Patent No. 296,351, dated April 8, 1884.

Application filed September 15, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, MICHAEL RAUGHTIGAN, of the city of Norwich, county of New London, and State of Connecticut, have invented certain new and useful Improvements in Toys, which improvements are fully set forth and described in the following specification, reference being had to the accompanying drawings.

10 My invention relates to toys for children, my immediate object being to produce at a nominal price a toy which shall not only furnish amusement for small children, but shall also tend to develop and expand the lungs.

15 In the annexed drawings, Figure 1 is a perspective view of my device as I prefer to make it, Fig. 2 being an end view of the same. Fig. 3 is a side elevation, partly in section, showing a whistle combined with my device. Fig. 20 4 is a third form of said toy.

A represents a reed or wooden tube, one end being plugged.

25 C represents a thin metallic frame, bent substantially as shown in Fig. 2, the circular bend at the bottom being of such size that it fits tightly on the plugged end of tube A. The upper ends of C are spread apart, and support in suitable bearings a pivot or axle carrying a turbine wind-wheel, B.

30 In the upper side of tube A, and directly in vertical alignment with the outer edge or periphery of the wheel B, is a small hole, *c*, leading out from the main central hole in tube A. By blowing in the outer end of said tube, 35 the current of air as it passes outward and upward through hole *c* engages the wings of wind-wheel B, causing said wheel to revolve rapidly on its pivot or axis, the speed of the wheel being regulated by the size of hole *c* and the 40 pressure of air in tube A.

As a further means of amusement to children, I provide in tube A a whistle by inserting a plug, *d*, whose top side is flattened, said plug being located just back of hole *c*, the air as it passes across the plug and out of said hole 45 causing a shrill whistle, and at the same time causing the wheel B to revolve.

In Fig. 4 I provide a second short piece of tubing, *h*, inserted vertically in hole *c*, to carry the current of air directly up to the wind- 50 wheel, to cause said wheel to revolve more rapidly.

The wind-wheel B is made, preferably, of heavy card-board or thin sheet metal, a coat of varnish being applied to those made of card- 55 board, to stiffen the same and keep the several wings in proper shape after having been bent to shape.

The supporting-frame C may, if preferred, be made of round wire, a loop or eye being 60 turned at the ends to support the pivoted wind-wheel.

Having thus described my invention, I claim as new and wish to secure by Letters Patent—

The within-described toy, consisting of the 65 plugged tube A, having hole *c*, the supporting-frame C, bent substantially as shown, (fitting tightly on tube A,) and the wind-wheel B, hung in suitable bearings in frame C, all in combination, the position of C and B relative 70 to the perforated tube being such that, as a current of air is forced through said tube, it engages the wings of wheel B, causing it to revolve, for the purpose specified.

MICHAEL RAUGHTIGAN.

Witnesses:

AMOS C. CUTLER,  
FRANK H. ALLEN.