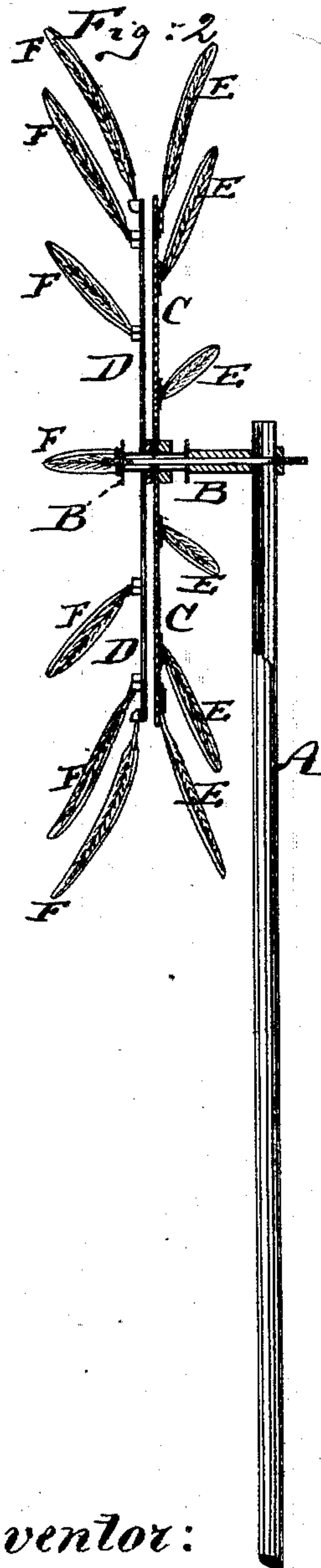
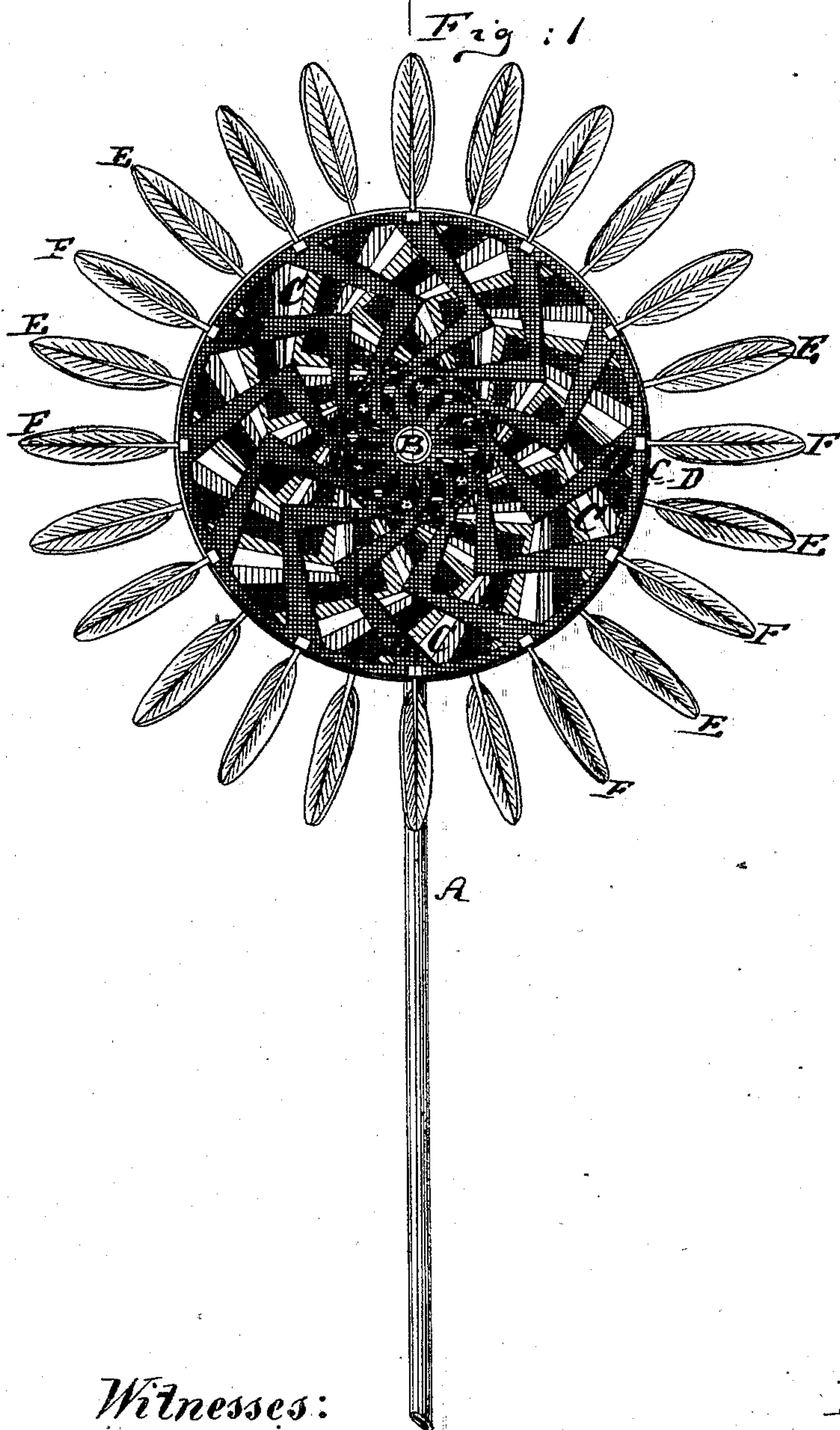


W. G. FISCHER.  
Toy Wind-Wheels.

No. 158,694.

Patented Jan. 12, 1875.



Witnesses:

A. Moraga.  
E. W. Webb

Inventor:

Wm. G. Fischer  
by his attorney

A. V. B. Green

# UNITED STATES PATENT OFFICE.

WILLIAM G. FISCHER, OF BROOKLYN, ASSIGNOR TO A. WEIDMANN & CO.,  
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## IMPROVEMENT IN TOY WIND-WHEELS.

Specification forming part of Letters Patent No. **158,694**, dated January 12, 1875; application filed  
August 12, 1874.

*To all whom it may concern :*

Be it known that I, WILLIAM G. FISCHER, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Chromatic Feather-Wheel, of which the following is a specification:

Figure 1 is a face view of my improved chromatic feather-wheel, and Fig. 2 is a central section of the same.

Similar letters of reference indicate corresponding parts in both figures.

This invention relates to a new chromatic toy; and consists in combining two disks, which are loosely hung upon the same pivot, and of which one has a colored face, while the other is perforated with a series of feathers at the edges of said disks, the feathers on one disk being inclined at an angle opposite to that at which the feathers of the other disk are inclined, so that when the toy is moved against the air, or exposed to the action of the wind, the two disks will revolve in opposite directions, the colors on the back disk and the perforations on the front disk producing then a peculiar effect by a continuous change of color and design.

In the accompanying drawing, the letter A represents the handle of the toy, being a suitable stick or pole, to one end or part of which is rigidly secured the pivot or spindle B of the two disks C and D. These two disks are about equal in diameter, and made of pasteboard, paper, or other light material, and are loosely hung upon the spindle B. The surface of the back disk C—that is to say, the disk which is farthest from the eye—is painted or colored in suitable design, and

suitable arrangement of colors. The other disk, D, which covers the colored face of C, is perforated, preferably in a symmetrical manner, as indicated in Fig. 1. To the edge of the disk C are fastened a series of radially-projecting feathers, E E, and similar feathers F F are fastened to the edge of the perforated disk D; but the feathers on the two disks are inclined in opposite directions, so that when the wind blows against the face of the toy, the two disks will be revolved in opposite directions on the spindle B, causing thereby the colored design on the disk C to constantly change its place under the apertures of the disk D, while at the same time the apertures on the last-named disk also continually change their places. In this manner a very rich and beautiful effect is produced on the eye, and a toy is obtained which will be at once amusing and instructive.

Instead of exposing the toy to the action of the wind, by making the handle or pole A stationary, the toy can be made equally effective in a room, by holding the pole in the hand and carrying it through and against the air.

I claim as my invention—

The chromatic toy herein described, composed of the colored feather-wheel C and the perforated feather-wheel D, both hung on the same spindle, and arranged to turn simultaneously in opposite directions, substantially as specified.

WM. G. FISCHER.

Witnesses:

A. V. BRIESEN,  
E. C. WEBB.