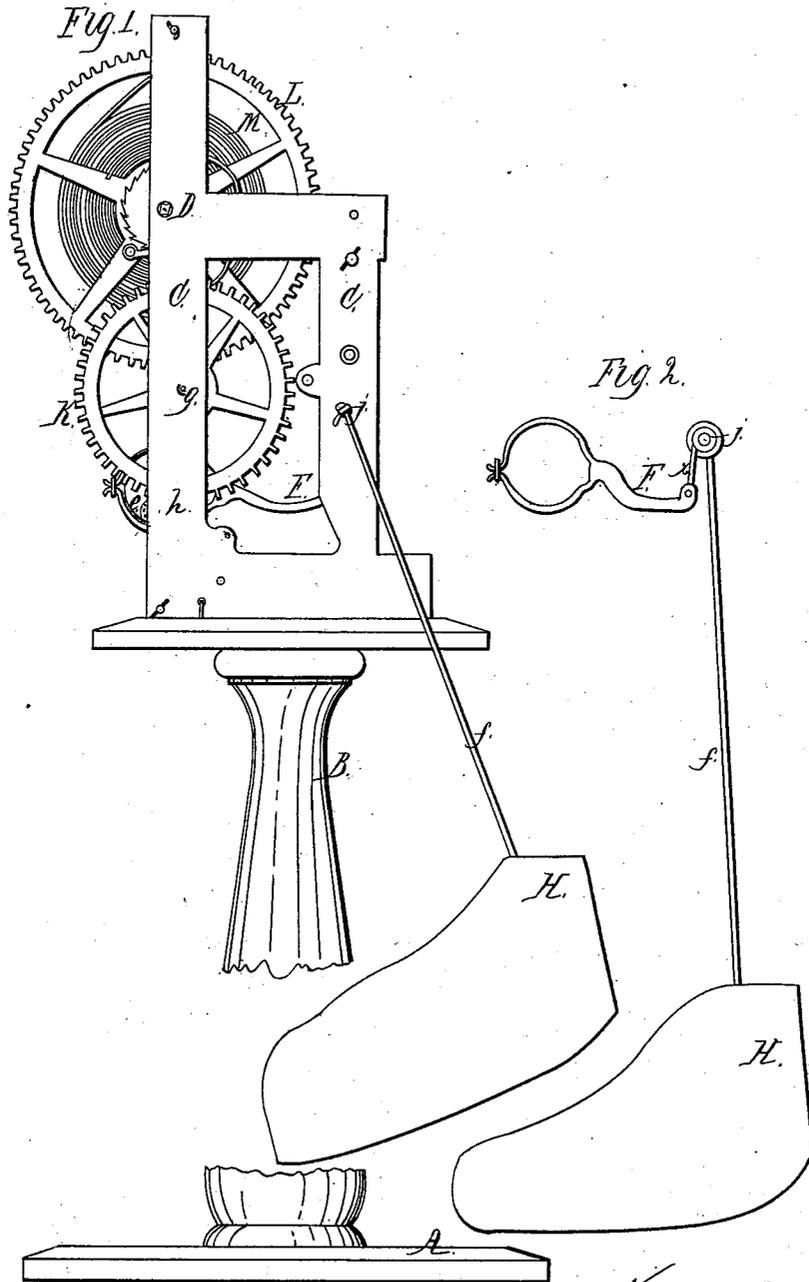


E. J. Clark,
Automatic Fan,
No. 76,996, *Patented Apr. 21, 1868.*



Witnesses:
V. D. Storkbridge
A. N. Marr

Inventor,
E. J. Clark
Wm. A. Mason
attys.

United States Patent Office.

ELIJAH J. CLARK, OF KALAMAZOO, MICHIGAN.

Letters Patent No. 76,996, dated April 21, 1868.

IMPROVED AUTOMATIC FLY-BRUSH AND FAN.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ELIJAH J. CLARK, of Kalamazoo, in the county of Kalamazoo, and in the State of Michigan, have invented certain new and useful Improvements in Automatic Fly-Brush and Fan; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and the letters of reference marked thereon.

In the annexed drawings, making a part of this specification, A represents a suitable base, and B a post or standard secured thereto. C represents a suitable frame, adjusted or secured to the top of the post or standard B.

Adjusted across the frame C are shafts D, *g*, *h*, and *j*, as shown in the drawings.

Upon the winding-shaft D is secured a drive or gear-wheel, L, and suitable ratchet-wheel, to prevent the same from turning backward when wound up.

M represents a main spring, which gives power and motion to the machine, one end of which is stationary, and the other attached to the winding and driving-shaft D. The large gear-wheel, L, meshes with a pinion on the shaft *g*, on which is secured the cog-wheel K. Secured to the shaft *h* is a pinion and a cam, *l*, around which the arm of the eye F fits and works. Secured to and projecting from the middle of the shaft *j* is an arm or lever, *x*, which is pivoted to the arm F.

On or to each end of said shaft are secured long rods or arms, *ff*, to the bottom of which are fastened fans, H H, made in the form substantially as represented, and of any material desired.

When the shaft *h* revolves, the cam *l* gives motion to the arm or rod F, and it in turn to the lever *x* and shaft *j*.

The shaft *j*, when operated as above, gives a vibratory motion to the rods or arms *ff* and fans H H, and thereby makes a very effective and desirable fly-brush or fan.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The arrangement of the shaft *h*, cam *l*, and looped rod F, in combination with the shaft *j*, rods *ff*, and fans H H, all constructed and operated as and for the purposes set forth.

In testimony that I claim the foregoing, I have hereunto set my hand and seal, this 6th day of March, 1868.

ELIJAH J. CLARK. [L. S.]

Witnesses:

ALFRED O. HITCHCOCK,

W. G. HOWARD.