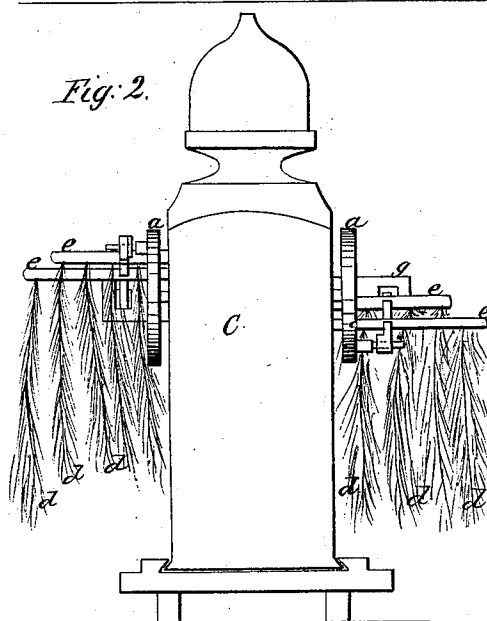
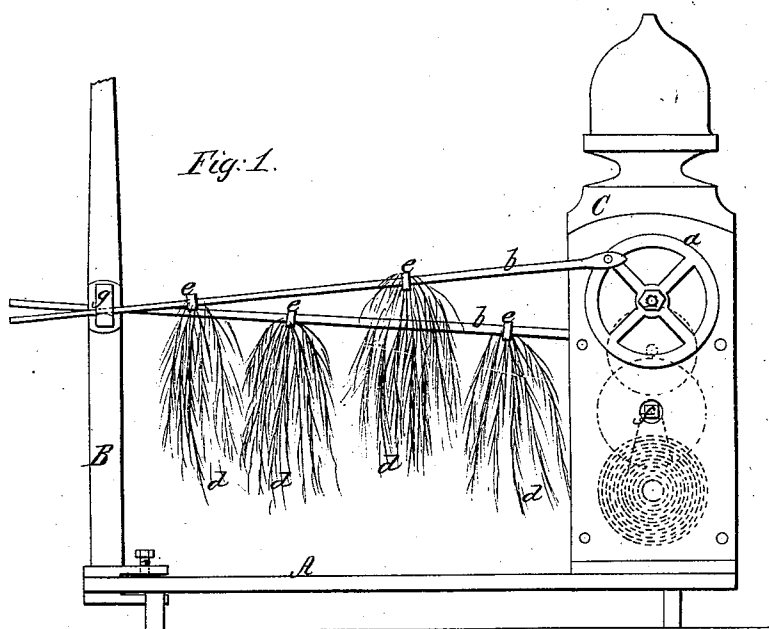


B. F. Day,
Automatic Fan,

N^o 81,349.

Patented Aug. 25, 1868.



Witnesses;
J. A. Morgan
D. C. Cotton.

Inventor;
B. F. Day

per Munnell
Attorney.

United States Patent Office.

B. F. DAY, OF EAST FREEDOM, PENNSYLVANIA.

Letters Patent No. 81,349, dated August 25, 1868.

IMPROVED AUTOMATIC FLY-BRUSH.

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, B. F. DAY, of East Freedom, in the county of Blair, and State of Pennsylvania, have invented a new and useful Improvement in Automatic Fly-Brushes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of my invention.

Figure 2 is an end view of the same.

Similar letters of reference indicate like parts.

This machine is for actuating pendent brushes, with a horizontal reciprocating motion, the motive-power being furnished by a spring and train of wheel-work.

It is designed to be placed upon a table during meals, or at the side of a sick-bed, to produce a gentle current of air and drive away flies, mosquitoes, and other annoying insects in the air.

In the drawings, A B C is the general frame of the machine.

The part C is a hollow column, containing any suitable train of wheel-work, actuated by a spiral spring, as indicated by the red outlines.

An upper shaft from the wheel-mechanism projects laterally through the column C, and is provided with two crank-wheels, *a a*, to which are connected the rods *b b*, bearing cross-pieces, *c c c*, &c., from which latter are suspended the feather-brushes *d d*, &c., or any other suitable devices for acting as fly-brushes.

The free ends of the rods play loosely through holes in the cross-bar *g* affixed to the uprights B, as shown. *f* is the end of the spring-arbor, it being located at an opening in the column C, so that the machine may be wound up with an ordinary clock-key.

When wound up, this machine will run noiselessly for several hours, and act as an automatic fly-brushing apparatus.

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

The rods *b*, carrying brushes *d*, when pivoted at one end eccentrically to the wheel *a*, which are adapted to be rotated automatically, said rods working in guides *g*, all substantially as herein shown and described, whereby both horizontal and vertical reciprocating motion is imparted to the brush-carriers, as set forth.

B. F. DAY.

Witnesses:

WM. MCGRAW,
JACOB BURGER.