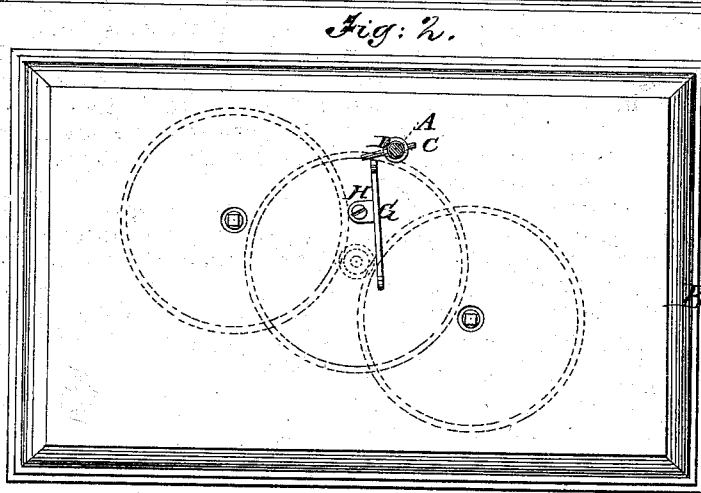
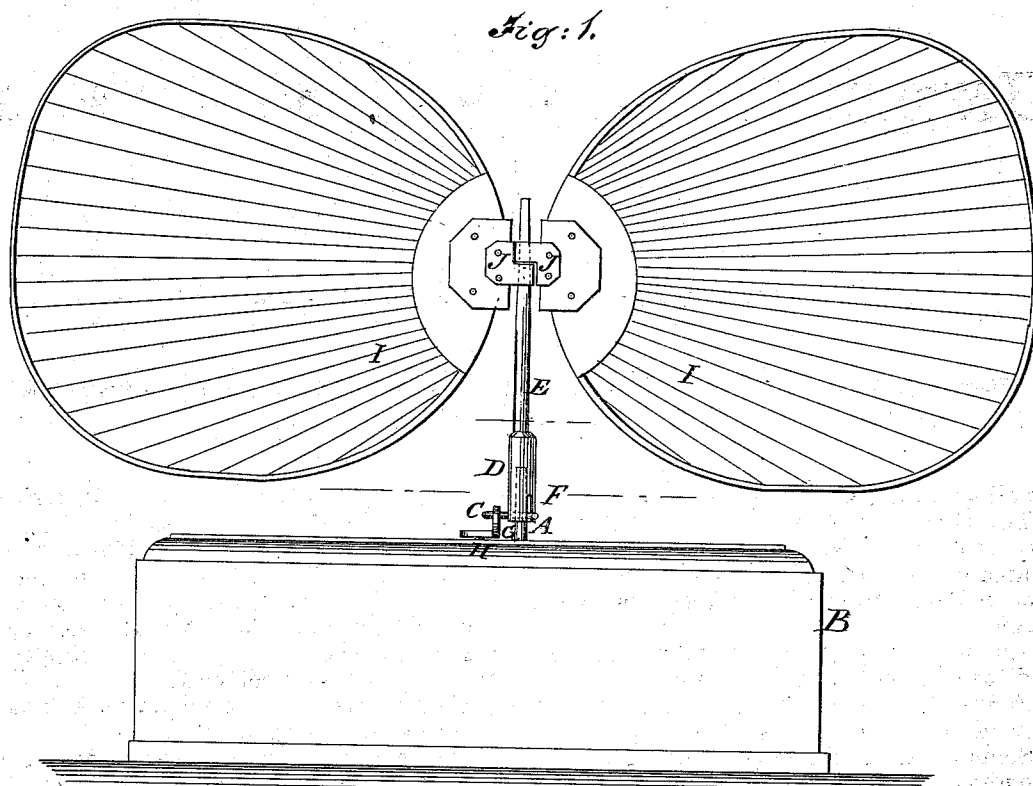


P. MAGNUS.  
Automatic Fans.

No. 154,406.

Patented Aug. 25, 1874.



WITNESSES:

*Chas. Nida.*  
*Chas. Nida.*

INVENTOR:

*P. Magnus*  
BY *Munn & Co.*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

PAUL MAGNUS, OF NEW YORK, N. Y.

## IMPROVEMENT IN AUTOMATIC FANS.

Specification forming part of Letters Patent No. **154,406**, dated August 25, 1874; application filed June 27, 1874.

### *To all whom it may concern:*

Be it known that I, PAUL MAGNUS, of the city, county, and State of New York, have invented a new and useful Improvement in Automatic Fans, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claims.

Figure 1 is a side elevation. Fig. 2 is a top view of the movement-case.

Similar letters of reference indicate corresponding parts.

The main gear-wheels of the "movement" are seen in dotted lines in Fig. 2, so arranged that two actuating-springs operate to drive the middle wheel, which in turn drives the spindle-shaft.

A is the spindle-shaft. B is the box or casing of the fan-movement. The upper end of the spindle-shaft A passes up through the top of the casing, and has through it a pin, C. D is a socket on the lower end of the spindle E. This socket is slotted, and extends down so as to receive the end of the spindle-shaft, as seen in dotted lines, while the slot F receives the horizontal pin C for turning the spindle. This pin C performs another function, and that is to operate in connection with the little pivoted bar G to stop the movement of the fan. This stop-bar G is fastened to the case by a pivot-screw, H, and its end is turned so that when

it is turned laterally the pin C will strike it and stop the movement. I are the fans, one or two of which may be used. The upper portion of the spindle is square. J J are socket-pieces on the two fans, which fit onto the spindle, one above the other, as seen in Fig. 1, and so that one or both may be slipped up on the spindle and detached.

The fans may be attached to the spindle in any other suitable manner.

This fan may be placed upon a desk or table when a person is writing or reading, or upon a sewing-machine table or stand near by, for agitating the air and cooling the person. This fan works without noise, and is portable and convenient.

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

1. The pin C, arranged to turn the spindle E, and operate in connection with pivoted bar G, for stopping fan, all as shown and described.

2. The turned-up stop-bar G, pivoted screw H, and pin C, combined as and for the purpose set forth.

PAUL MAGNUS.

Witnesses:

T. B. MOSHER,  
ALEX. F. ROBERTS.