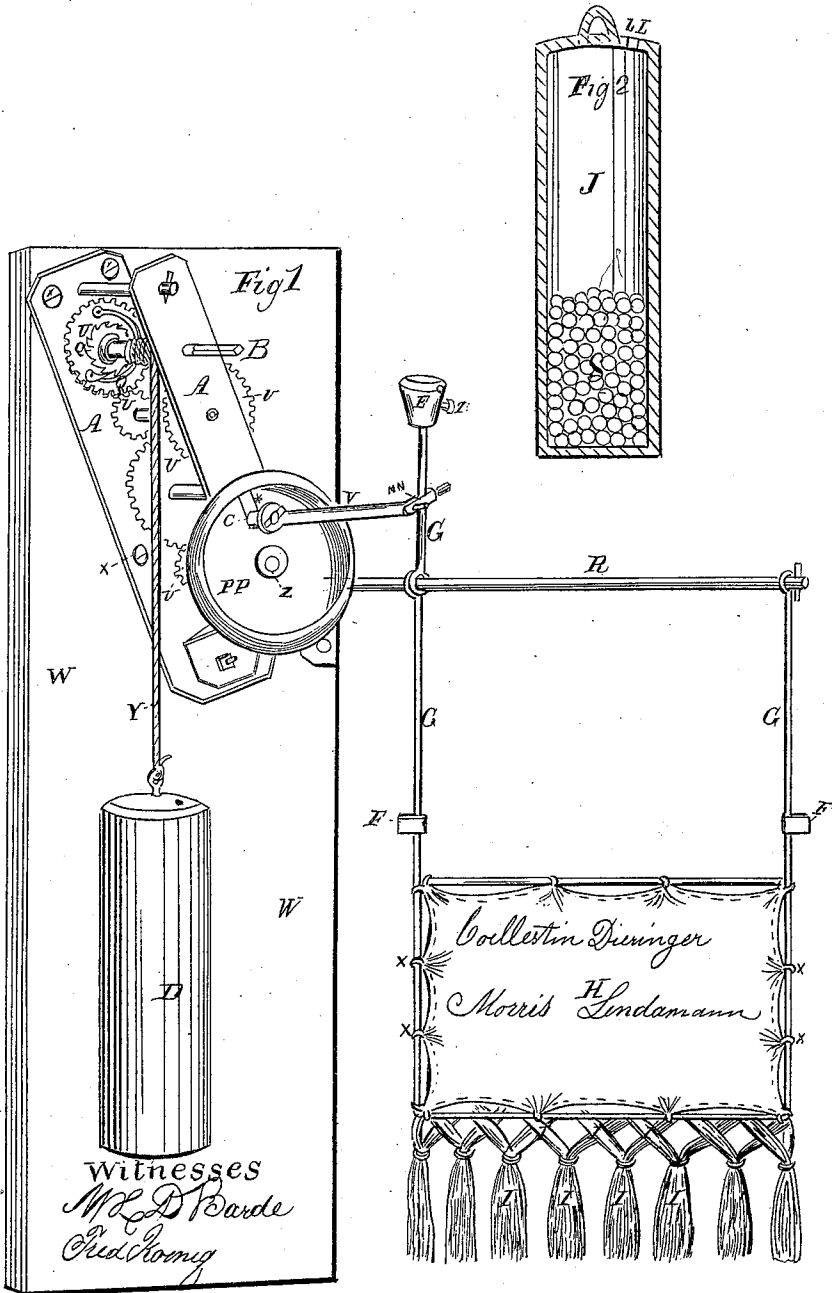


*Dieringer & Lindemann,
Automatic Fan.*

No. 92,589

Patented July 13, 1869



United States Patent Office.

COELLESTIN DIERINGER AND MORRIS LINDAMANN, OF CINCINNATI, OHIO.

Letters Patent No. 92,589, dated July 13, 1869.

IMPROVEMENT IN AUTOMATIC 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 we, COELLESTIN DIERINGER and MORRIS LINDAMANN, of Cincinnati, Ohio, have invented an Improvement in Automatic Fans.

The nature of our invention consists in a machine for putting a current of air in motion, and thus prevent the troublesomeness and annoyance caused by flies, mosquitoes, and all those insects that so universally prevail in warm weather.

The following is a full description of our instrument, reference being had to the accompanying drawings, which are made a part of these specifications.

Figure 1 is a view of the entire machine, attached to the wall, W, as it appears when ready for operation, fastened by screws X.

A, the frame containing the wheels, U, operated upon by the motive-power or weight D, which is attached to the arbor or shaft B, by means of a cord, Y.

Attached to the shaft Z is a balance-wheel, P P, with an adjustable winch or crank, C, to regulate the distance over which the fan or curtain H shall move, which crank operates upon the hollow-wire fan-frame G, through the connecting-arm V, which is fastened with a pin to the adjustable nut N N, upon the fan-frame G, which swings upon the rod R, and which rod is secured firmly to the wall W.

E is a governor or adjustable weight, made hollow, to be filled with bullets or shot if desired, to balance the fan and fan-frame, sliding on the upper part of the hollow fan-frame G, and fastened at any desired point, by means of the thumb-screw T.

F F are movable weights on the fan-frame G G, to use in regulating the velocity of the fan.

I I I I I I are the fringe and tassels for softening the current of air.

Q, the ratchet to hold the arbor B from unwinding.

Figure 2. J shows an open section of the motive-power or weight, D, fig. 1, containing a quantity of shot, S, that may be increased or diminished through an orifice in the top, at L L.

Figure 3. K is the style of the wire rings, to which the fan H, fig. 1, is fastened, as shown at x x x x, fig. 1.

L is a section of the adjustable weight or governor E, as seen in fig. 1, made hollow, and increased or diminished in weight by means of shot S passing through the orifice Y.

M is an enlarged view of the adjustable weights F F, fig. 1, which clasp the hollow fan-frame G, fig. 1, and being in the nature of a spring, are retained at any desired point.

N is a section of the hollow-wire fan-frame G, fig. 1.

O represents the reverse side of the balance-wheel P P, as shown at fig. 1, and the manner in which the adjustable winch or crank is regulated, by means of a set-screw on the back of the balance-wheel, in which there is a groove from near the shaft to the perimeter, as seen at *.

What we claim as our invention, and desire to secure by Letters Patent, is—

In combination with suitable mechanism for imparting motion to the fan, the balance-wheel P, adjustable winch or crank C, connecting-arm V, with adjustable nuts N and fan-frame G, having a governor or adjustable weight, E, and sliding weights F, for regulating the motion of the fan, when all the parts are arranged to operate substantially in the manner as herein described.

COELLESTIN DIERINGER.
MORRIS LINDAMANN.

Witnesses:

W. L. D. BARDE,
FRED. KOENIG.