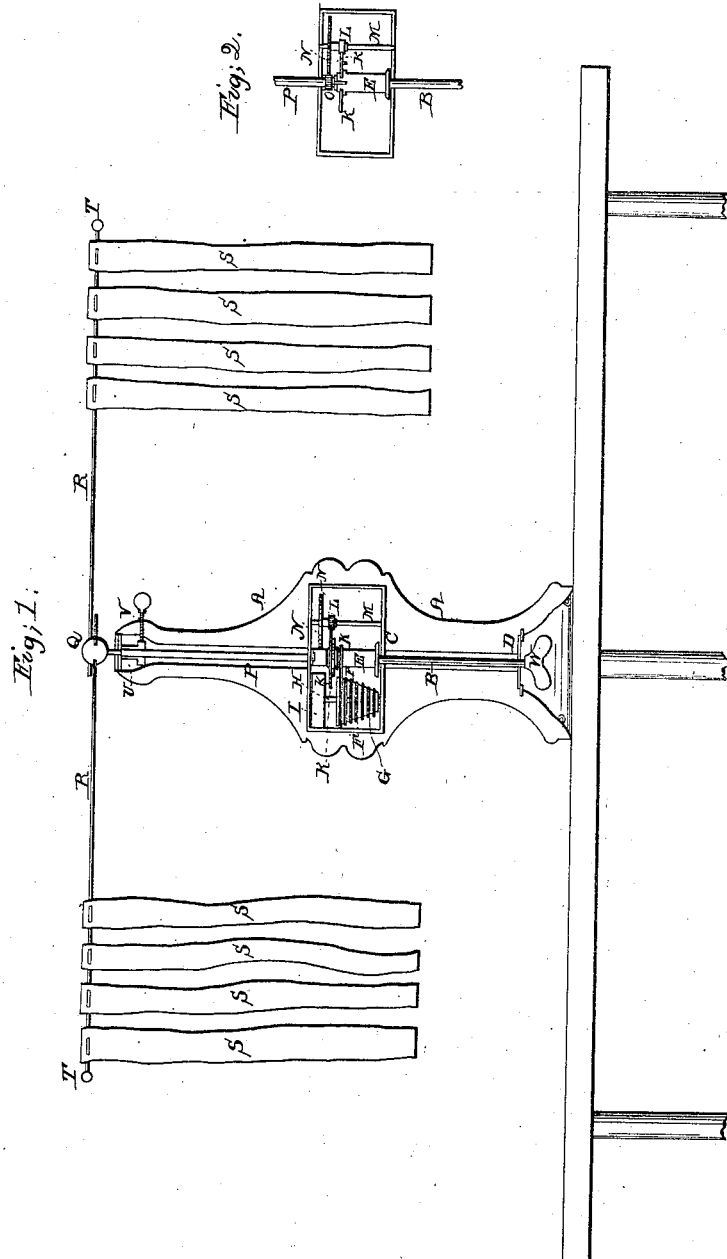


S. R. Wilmot,
Automatic Fan,

No 7,763,

Patented Nov. 5, 1850.



UNITED STATES PATENT OFFICE.

SAML. R. WILMOT, OF LA FAYETTE, INDIANA.

FLY-BRUSH.

Specification of Letters Patent No. 7,763, dated November 5, 1850.

To all whom it may concern:

Be it known that I, SAMUEL R. WILMOT, of La Fayette, in the county of Tippecanoe and State of Indiana, have invented a new, useful, and Ornamental Revolving Portable Fly-Brush or Fan for Dining-Tables, Beds, Cradles, and other Places, which is described as follows, reference being had to the annexed drawings of the same, making part of this specification.

Figure 1 is a vertical elevation of the machine placed upon a dining table. Fig. 2 is a vertical section of ditto.

Similar letters in the several figures refer to corresponding parts.

This machine consists of an ornamental portable stand K to be placed in the center of the dining, or other table; in the center of which stand is arranged a vertical axle B, turning in suitable bearings C, D, in plates fixed to the stand; and on which axle there is a cylinder E, around which is wound a chain or cord F leading around a fusee G on a vertical axle H passing through the center of a cylindrical box or barrel I containing a chronometer spring for actuating the fusee that winds the cord and turns the shaft B on which there is a cog wheel K that engages with a pinion L on a third vertical shaft M; on which there is also a cog wheel N that works into a pinion O on the lower portion of a fourth vertical shaft P whose axis is coincident with the center of the first named shaft B and whose lower end or foot turns in a cavity in the upper end of said first named shaft and whose upper bearing is near the head of the aforesaid ornamental stand having on its upper end a globe or ball Q, perforated with holes to admit arms or rods R to which light ornamental flags or fans S are suspended for performing the office of brushes or fans to frighten or drive off flies or other troublesome insects—which rods have weights or balls T affixed to their outer extremities to serve the purpose of counter or fly weights for equalizing the motion of the parts; and the aforesaid rods being inserted into the central globe or ball in such manner that the

weights or balls T may be removed farther from, or nearer to, the center of the stand as may be deemed necessary in order to sweep a circle of any given radius.

A friction collar U is fixed to the shaft near the upper end against which the point of a tempering screw V is brought that is passed through the stand for the purpose of graduating or regulating the motion of the brushes or fans. On the lower end of the first named shaft there is a key W by which the shaft is turned to wind the cord and contract the springs. In winding the cord upon the cylinder E it of course unwinds it from the fusee and at the same time turns the fusee and barrel and contracts the spring in the case or barrel in the manner of a watch or clock. The cord being wound upon the cylinder and unwound from the fusee and the arms or rods properly adjusted the stand is placed in the center of the dining table and the weighted arms put in motion horizontally which will be continued by the action of the spring for any given length of time.

Two or more hooks are inserted into the bottom of the stand by which the stand may be suspended to eyes or stationary fastening in an inverted position over the table, bed, cradle, or in any required position.

Having thus described the nature of my invention and improvement what I claim as new is—

So constructing and adapting the revolving fan or brush that it may be placed like a lamp upon a table, or may fixed to the walls or ceiling of a room, or that it may be suspended by a cord over a bed, sofa, or cradle by the means herein fully described. I explicitly disclaim the use of clock movements to drive machinery of any kind, as such are in common use.

In testimony whereof I have hereunto signed my name before two subscribing witnesses.

SAMUEL R. WILMOT.

Witnesses:

WM. P. ELLIOT,
L. D. SMITH.