(No Model.)

T. A. MARTIN.

FLY FAN.

No. 251,612. Patented Dec. 27, 1881.

Fig. 1.

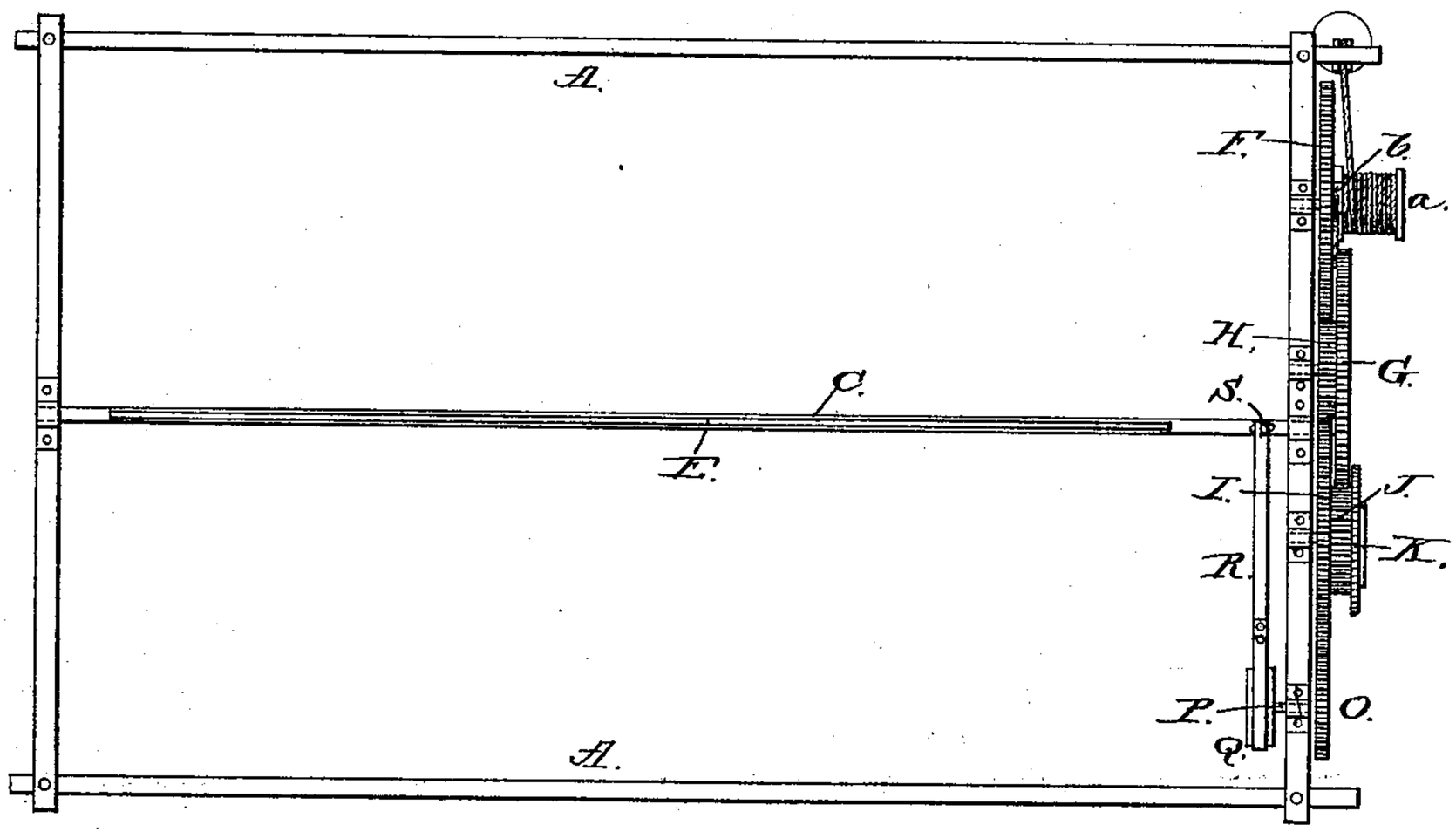
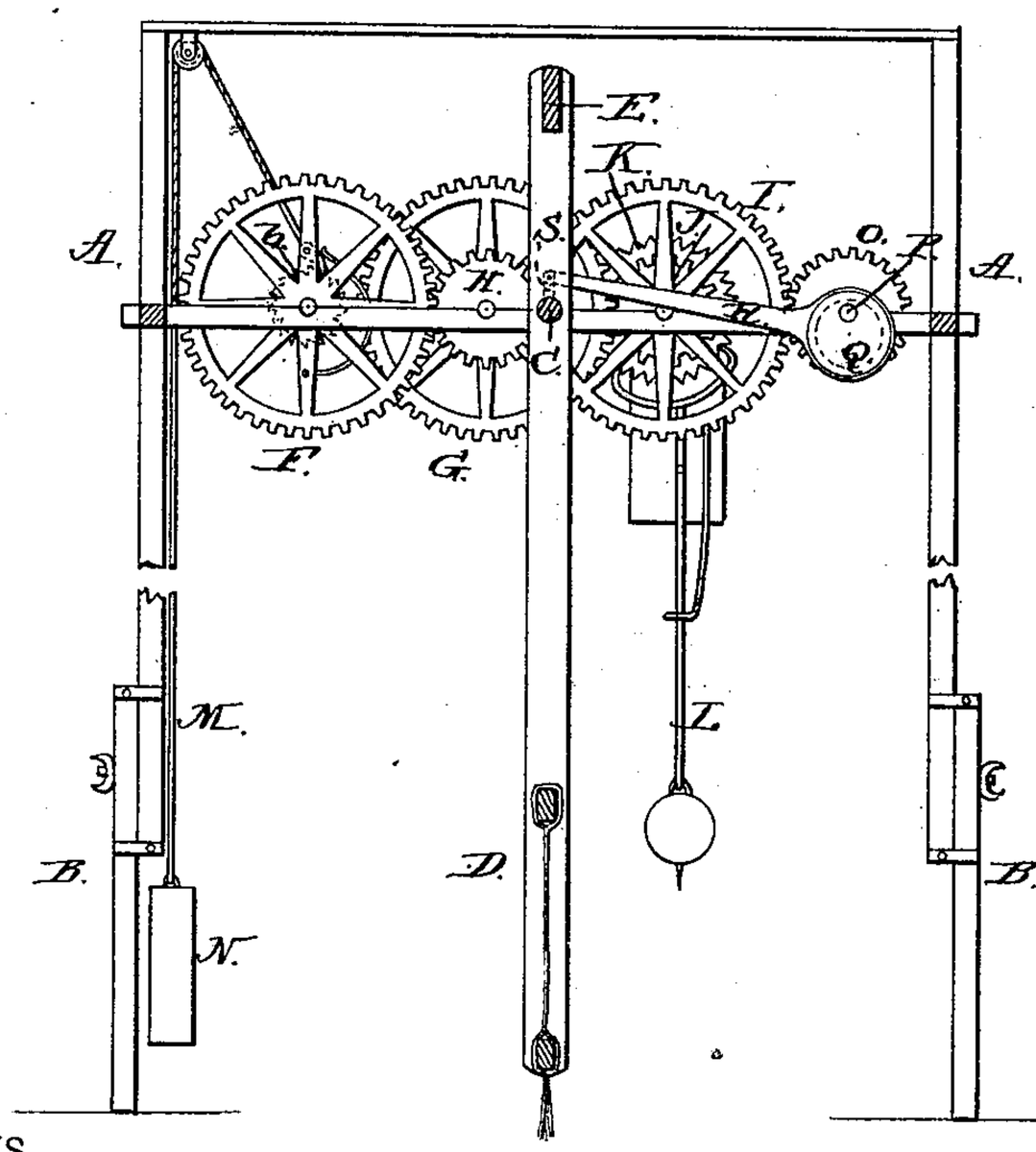


Fig. 2.



WITNESSES

John A. Ellis.
Philip Ellasi

INVENTOR

Thomas A. Martin,
by Anderson & Smith
his ATTORNEYS

UNITED STATES PATENT OFFICE.

THOMAS A. MARTIN, OF EVANSVILLE, INDIANA.

FLY-FAN.

SPECIFICATION forming part of Letters Patent No. 251,612, dated December 27, 1881.

Application filed November 5, 1881. (No model.)

To all whom it may concern:

Be it known that I, THOMAS A. MARTIN, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented a new and valuable Improvement in Fly-Fans; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my invention, and Fig. 2 is a cross-section of the same.

This invention has relation to fly-fans; and it consists in the novel construction and arrangement of parts, as will be fully described, and hereinafter pointed out in the claim.

Referring by letter to the accompanying drawings, A designates the frame which supports the fan and the mechanism for operating it, and which has its legs B made adjustable, in order that it may be raised or lowered to suit beds of different heights.

C is a rock-shaft journaled in the end pieces of the frame A, and provided with the fan D and a counter-balance, E, as shown.

A system of gearing or clock-work is provided, consisting of a gear-wheel, F, carrying a spool, *a*, and a pawl and ratchet, *b*, said gear engaging a pinion, H, on a gear, G, which latter meshes with a pinion, J, on a gear, I, said gear I carrying the escape-wheel K.

L designates the pendulum, and M the cord to which the weight N is attached.

O is a pinion, on the shaft P of which an eccentric cam, Q, is secured, and connected by a pitman, R, to an arm, S, upon the rock-shaft C.

The cord M is wound upon the spool in the usual manner, the gravity of the weight causing the pendulum to be articulated and the fan to be operated.

This fan is especially intended to be placed over beds to brush flies, mosquitoes, and the like from the occupants, and at the same time to gently fan them. The adjustable frame is to adapt the fan to beds of different heights.

A fan-shaft carrying the fan and a counter-balance supported by an adjustable frame and operated by clock mechanism is not new, and is not broadly claimed herein.

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

In a fly-fan, the rectangular frame A, composed of the side and end rails, the latter being provided with the bearings for the rock-shaft C, carrying the fan D and counter-balance E, supported on the four vertically-adjustable corner-posts B, in combination with the gearing, pitman, pendulum, cord, and weight herein described, for the purposes specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

THOMAS A. MARTIN.

Witnesses:

GEORGE W. COPE,

JAMES B. EVANS, Jr.