

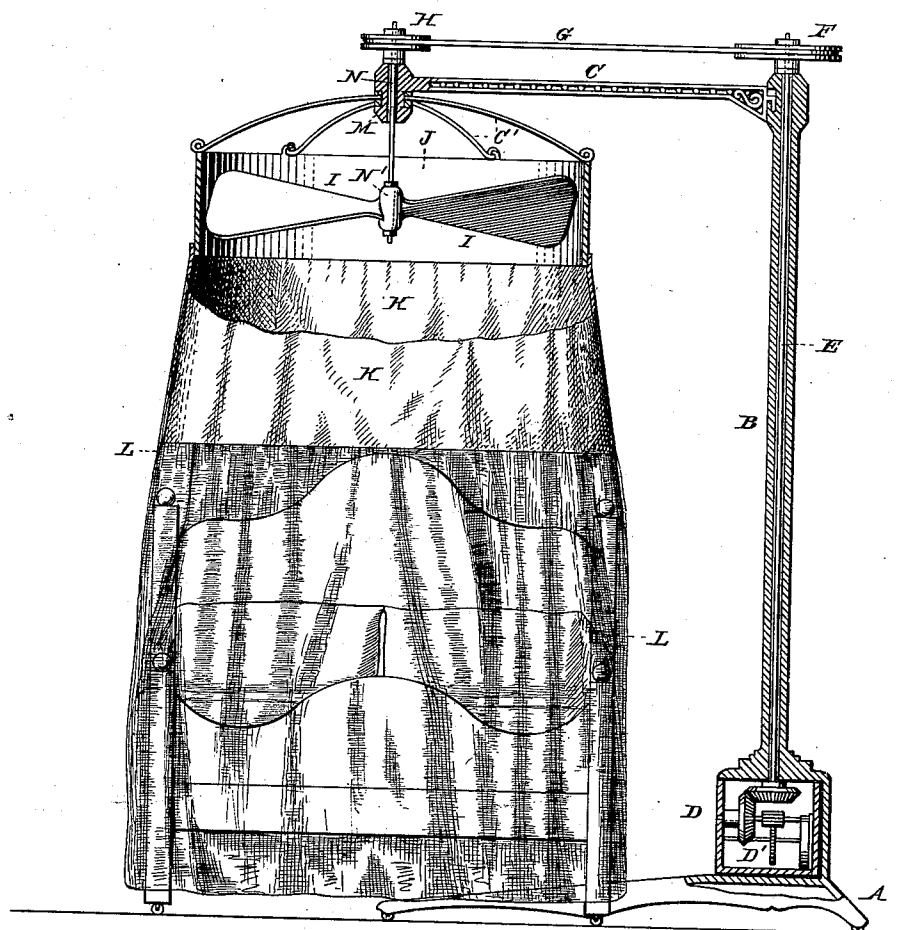
(No Model.)

G. H. AYLWORTH.

SUMMER FAN.

No. 334,684.

Patented Jan. 19, 1886.



WITNESSES

Villette Anderson.
Phillettasi.

INVENTOR

G. H. Aylworth.
by Anderson & Smith
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UNITED STATES PATENT OFFICE.

GEORGE H. AYLWORTH, OF JACKSONVILLE, FLORIDA.

SUMMER FAN.

SPECIFICATION forming part of Letters Patent No. 334,684, dated January 19, 1886.

Application filed November 12, 1885. Serial No. 182,619. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. AYLWORTH, a citizen of the United States, residing at Jacksonville, in the county of Duvall and State of Florida, have invented certain new and useful Improvements in Summer Fans; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to letters or figures of reference marked thereon, which form a part of this specification.

The figure of the drawing is a representation of this invention.

My invention relates to fans; and it consists in the construction and novel arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claim.

Referring by letter to the accompanying drawing, A designates the base of the fan-frame, upon which rests the box or incasement D for the spring-actuated clock-gearing D.

B designates the hollow upright or stand, which is open at the top, and E designates the vertical shaft, which passes up through the hollow upright or stand B.

F designates a pulley on the upper end of the vertical shaft E.

C designates a horizontal arm connected to the upper end of the hollow stand B, and this arm C is provided at its outer end with a bearing, M, for the vertical fan-shaft N. This fan-shaft N is provided at or near its upper

end with a pulley, H, and this pulley H is connected by a belt, G, with the pulley F. The fans I I are secured to the lower end of the vertical fan-shaft N by a hub, N', so that the fans will revolve with the fan-shaft.

J is an open bottom and open-top drum or cylinder, which is suspended from the outer end of the arm C by a bail, C'. To the bottom or lower edge of the open drum or cylinder J is attached a wide band of cloth, K, and to the bottom of this band K of cloth is attached a mosquito-bar, L, the metal drum and cloth bottom forming an inverted funnel. The fans are twisted or set so as to draw or exhaust the air from under the cloth cover and force it out at the top, the tendency being to form a vacuum, thereby removing the foul air occasioned by the breath, which partial vacuum is filled with fresh air from below through the mosquito-bar part L of the covering.

Having thus described this invention, what I claim, and desire to secure by Letters Patent, is—

The combination of a horizontal rotating fan, a drum surrounding the same, a cloth depending from the drum for attachment with a mosquito-bar, and suitable means for supporting the whole and rotating the fan, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE H. AYLWORTH.

Witnesses:

G. D. AYLWORTH,
F. W. ELY.