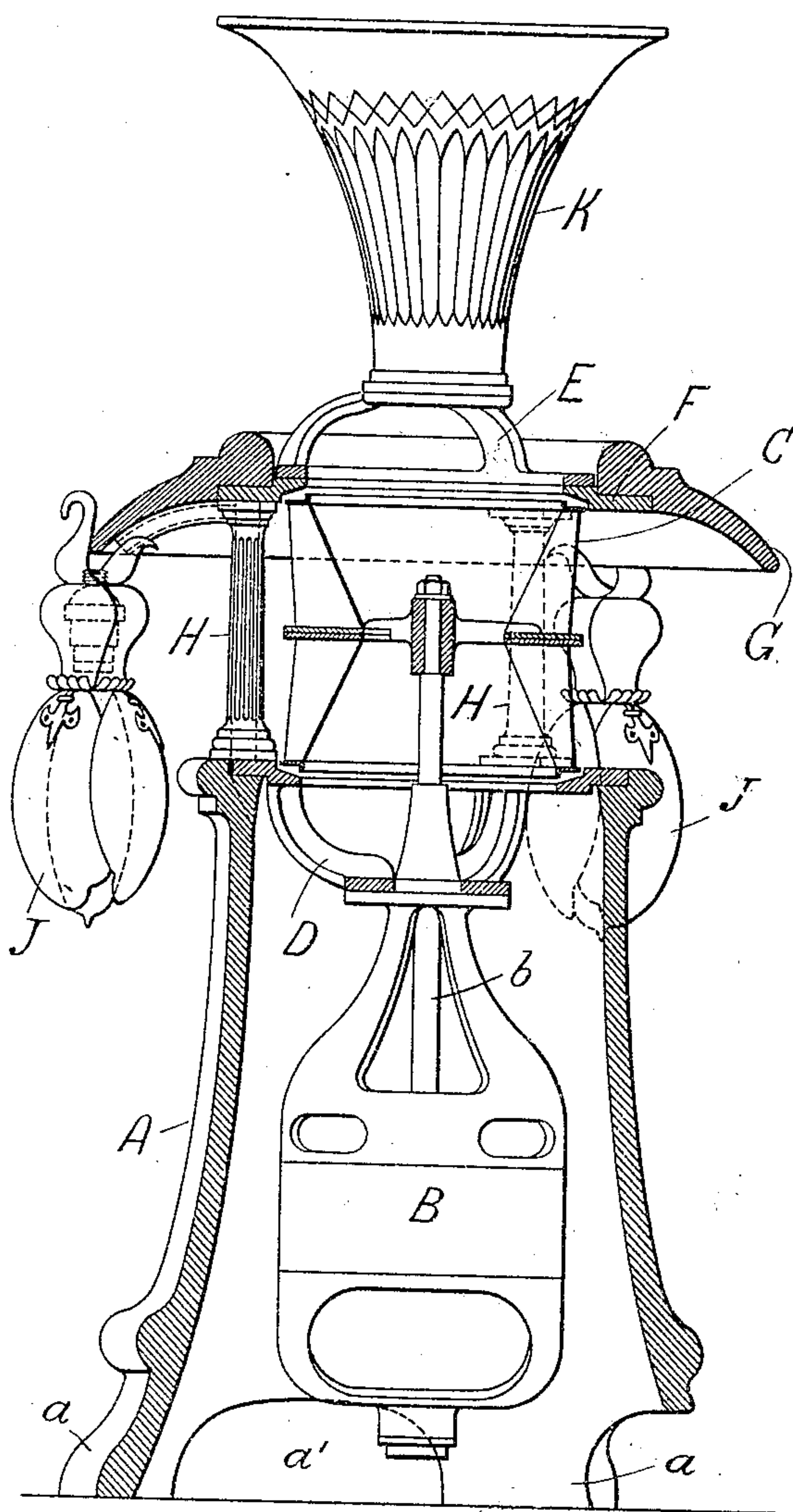


J. KEITH.
AIR CIRCULATOR.
APPLICATION FILED JULY 16, 1909.

999,035.

Patented July 25, 1911.



WITNESSES:
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UNITED STATES PATENT OFFICE.

JAMES KEITH, OF LONDON, ENGLAND.

AIR-CIRCULATOR.

999,035.

Specification of Letters Patent.

Patented July 25, 1911.

Application filed July 16, 1909. Serial No. 508,040.

To all whom it may concern:

Be it known that I, JAMES KEITH, a subject of the King of the United Kingdom of Great Britain and Ireland, and residing at London, England, have invented a certain new and useful Improvement in Air-Circulators, of which the following is a specification.

This invention relates to an air circulating device comprising a standard or pedestal having a superposed top or deflector and having mounted thereon an electromotor and fan, and being fitted with lamps etc., all as hereinafter more particularly described.

The invention is illustrated in the accompanying drawing the figure of which is a part elevation part vertical section.

As shown, the said device comprises a hollow standard A of suitable, preferably ornamental, design, and preferably composed of porcelain, china, delf, or other suitable material: the said standard being provided with a base *a* adapted to rest on a table or the like, and leaving an opening or openings as at *a'* for air to enter at the underside of the standard. The standard is also provided with perforations or openings for the passage of additional air. In said hollow standard is contained an electromotor B of which the spindle *b* carries the fan wheel C and is disposed vertically as shown and has a bearing in a bracket D.

The fan wheel C is built substantially according to the construction described in the specification of Letters Patent No. 935,114 being composed of two sets of blades, the blades being preferably rather flatter than in the fan wheel described in the prior specification, and being caused to run with their convex faces acting on the air, and serving to circulate through a room air passing up through the hollow standard and between the arms of the lower bracket D, and air entering at the top between the arms of an upper bracket E which latter rests on a base F that also serves to support a deflector G preferably composed of porcelain, china or delf, and which base F is supported from the standard A by means of columns or pillars H, preferably composed of metal.

It will be seen that the fan runner has two inlet openings, the lower inlet opening registering with the top of the standard and the upper inlet opening registering with the center opening of the deflector.

The columns or pillars H are hollow, cables being led through the same to supply current to electric lamps J hung from the deflector G.

A flower vase K of glass or other suitable material is carried by the upper bracket E.

The arrangement is such that the fan will circulate air from the surface of a table or the like and air from above a table or the like, deflecting the air in a continuous horizontal stream, gently and noiselessly, the volume being distributed all around the table or the like.

Having now described my invention what I claim and desire to secure by Letters Patent of the United States is:—

1. An air circulator comprising a hollow standard open at the upper end; a lower bracket having a central depressed portion and having an annular base resting on said standard; a motor secured to said depressed portion and depending in said standard, the shaft of the motor extending centrally upwardly through the bracket; pillars on said annular base; an upper bracket also having an annular base resting on the pillars; a double fan runner on said shaft between said annular bases, said fan runner being fitted with tapering blades affording two intake eyes, registering with said bases respectively; and a deflector having a central opening received on the base of the upper bracket.

2. An air circulator comprising a hollow standard having an open upper end surrounded by an annular groove, said standard being also provided with lateral openings in its lower part; a lower bracket having a ring engaging in said groove, the bracket also having a depressed central portion; a motor depending in said standard and secured to said depressed portion, the shaft of the motor extending centrally, vertically through the depressed portion; an open fan on said shaft, and comprising blades and an upper and a lower ring, the lower ring registering with the ring of the lower bracket; hollow pillars resting on said ring of the lower bracket and extending to about the height of the fan; an upper bracket having an annular base resting on said pillars; and an annular deflector having a groove receiving said base.

3. An air circulator comprising a hollow standard having an open upper end surrounded by an annular groove, said stand-

and being also provided with lateral openings in its lower part; a lower bracket having a ring engaging in said groove, the bracket also having a depressed central portion, a motor depending in said standard and secured to said depressed portion, the shaft of the motor extending centrally, vertically through the depressed portion; an open fan on said shaft, and comprising 10 blades and an upper and a lower ring, the lower ring registering with the ring of the lower bracket; hollow pillars resting on said ring of the lower bracket and extending to about the height of the fan; an upper

bracket having an annular base resting on said pillars; an annular deflector having a groove receiving said base; lamps hanging at the outer edge of the deflectors; and conductors passing up through the hollow pillars to the lamps. 15 20

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES KEITH.

Witnesses:

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