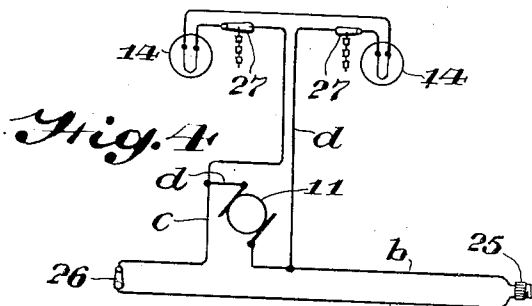
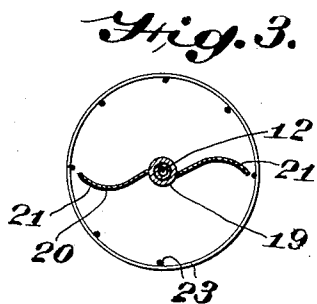
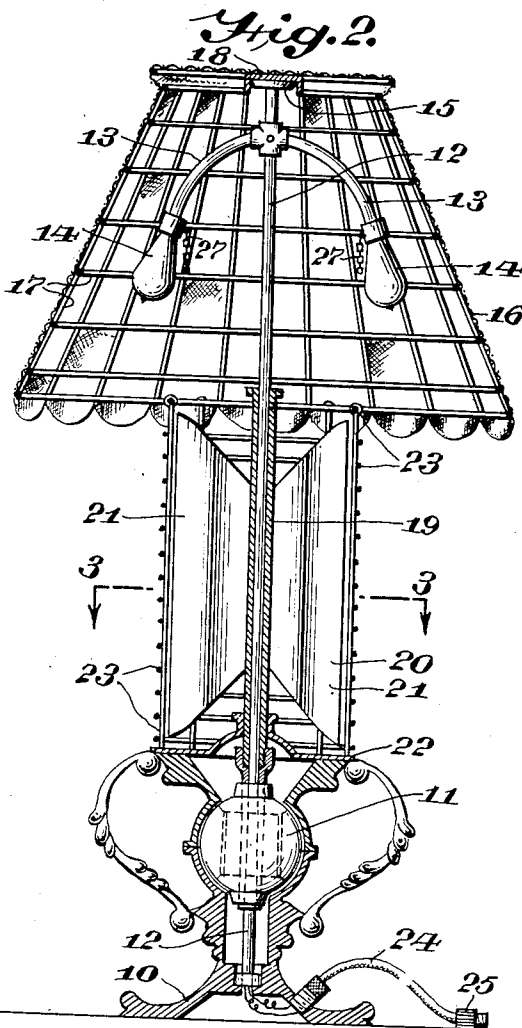
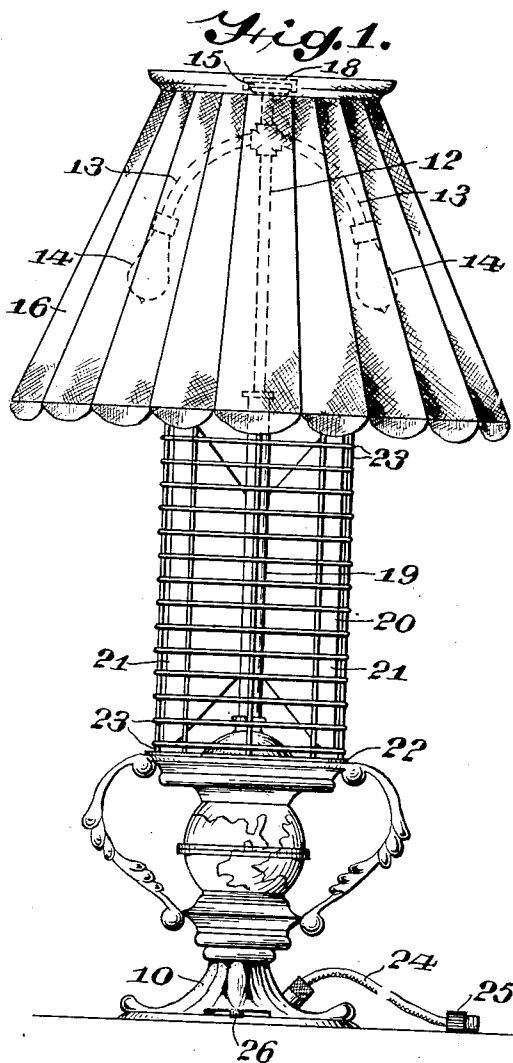


E. RUBINO.
COMBINED ILLUMINATING AND VENTILATING DEVICE.
APPLICATION FILED OCT. 4, 1920.

1,371,936.

Patented Mar. 15, 1921.



Alfred T. Bratton
WITNESS:

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UNITED STATES PATENT OFFICE.

EMILIO RUBINO, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO
ERNESTO CARBONE, OF PHILADELPHIA, PENNSYLVANIA.

COMBINED ILLUMINATING AND VENTILATING DEVICE.

1,371,936.

Specification of Letters Patent. Patented Mar. 15, 1921.

Application filed October 4, 1920. Serial No. 414,436.

To all whom it may concern:

Be it known that I, EMILIO RUBINO, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented new and useful Improvements in Combined Illuminating and Ventilating Devices, of which the following is a specification.

An object of the invention is to provide a combined illuminating and ventilating device which may be in the nature of a lamp and fan, arranged to form a unit wherein illumination can be derived from the lamp independently of the ventilating or fan member or wherein both the lamp and fan can be operated at the same time or the fan operated independently of the lamp.

The invention comprehends among other features a combined lamp and fan preferably formed to provide a neat and effective illuminating device and which by reason of the particular structure and coöperation between the fan and lamp, provides for the operation of both at the same time or the operation of one independently of the other.

Although my invention may be made up in various forms, I particularly aim to provide an artistic form of lamp for use in residences, hotels, cafés and the like, and which when the lamp is arranged upon a table, sufficient illumination will be provided and the persons seated around the table supplied with an ample quantity of ventilation.

In the further disclosure of the invention, reference is to be had to the accompanying drawings constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which,—

Figure 1— is an elevation showing one form of the device.

Fig. 2— is a vertical sectional view taken through the device.

Fig. 3— is a horizontal sectional view taken on the line 3—3 in Fig. 2, and

Fig. 4 is a diagrammatic view of the electric circuit.

Referring more particularly to the views, I provide a base 10 which may be of any artistic design and in which is contained a motor 11. Extending upwardly from the base is a tubular upright 12, from which project lamp brackets 13 carrying lamps 14

with the upper extremity of the upright 12 preferably fashioned to provide a seat 15 for the support of the upper part of a shade 16, the latter usually having a wire frame 17 fitting the seat 15 with a suitable cap 18 securing the frame in position to support the shade. The lower end of the upright 12 is suitably anchored or secured in any convenient manner within the base 10 and forms a central core or bearing for an encircling tubular fan shaft 19 which is in fact the shaft of the motor and which extends upwardly around the upright to project exteriorly of the base, said fan shaft forming a part of a ventilating fan 20 comprehending opposed fan blades 21 carried on the tubular fan shaft 19 as shown, it being understood that the lower part of the tubular fan shaft preferably constitutes a part of the motor and the upper part, acts as the constructional part of the fan by supporting the blades. The base may also be suitably designed to form supports 22 for a wire guard 23 extending upwardly from the base to encircle and inclose the fan and the upper end of the guard 23 may be fashioned to engage with the shade 16 and aid in properly supporting the same. Extending from the base 10 is an electric cord 24 containing wires *a* and *b*, which connect with a plug 25 for attachment to any suitable lamp socket, the wire *a*, communicating with a switch 26 and the wire *b*, with the motor 11. Another wire *c*, has an extension *d*, connecting with the motor and thus it will be seen that operation of the switch 26 will control the current to the motor 11 so that the same can be operated to in turn actuate the fan, when desired. The wire *c* continues on upwardly through the tubular upright 12 and a wire *d*, also is arranged to pass through the tubular upright and at its lower end connects with the wire *b*. The upper ends of the wires *c* and *d*, pass through the lamp brackets 13 to connect with the lamps 14 and of course a connecting wire is also provided, thus completing the circuits to the lamps, each lamp furthermore having a pull switch 27 to control the cord to either or both of the lamps as desired.

With this arrangement it will be seen that operation of the switch 26 will complete the circuit to the motor causing the latter to operate and actuate the fan disposed between the base and the lamp shade

and that when the circuit to the motor is broken by subsequent operation of the switch the particular wiring will not prevent independent operation of the lamps
5 and these can be brought into use by actuating the switches 27. In this manner both the lamps and fan can be operated independently of the other, as desired.

From the foregoing it will be seen that
10 with the lamp constructed in an artistic manner, the base and the fan blades, the guards and the shade, will all contribute to provide an effective mounting and particularly lend to the production of a neat and
15 substantial table lamp, although it will of course be understood that the lamp may be for various purposes and include therewith the ventilating structure described.

Having described my invention, I claim—
20 1. In a combined lamp and ventilating fan, the combination with a base, an upright rising centrally therefrom, a shade supported by the upper end of said upright, lamps carried by the upright and arranged
25 within the shade, a fan shaft surrounding

said upright, blades radiating from said fan shaft, a guard arranged about said fan and blades and reposing upon said base, said guard being interposed between the said base and shade and terminally connected to
30 the adjacent end of the latter.

2. In a combined lamp and ventilating fan, the combination with a hollow base, a motor operating within the base, an upright rising centrally from the base, a fan shaft
35 operated by said motor and surrounding said upright, said upright projecting above the fan shaft and terminating to provide a head, a shade having a centrally depressed portion receiving said head, whereby the
40 shade is supported by the upright, lamps carried by the upright, fan blades radiating from the fan shaft, a guard surrounding said blades and reposing upon the base, said guard being arranged between the base and
45 the shade and terminally connected to the adjacent end of the latter.

In testimony whereof I affix my signature.

EMILIO RUBINO.