

H. A. AREL.
WINDOW VENTILATOR.
APPLICATION FILED OCT. 30, 1914.

1,167,249.

Patented Jan. 4, 1916.

Fig. 1.

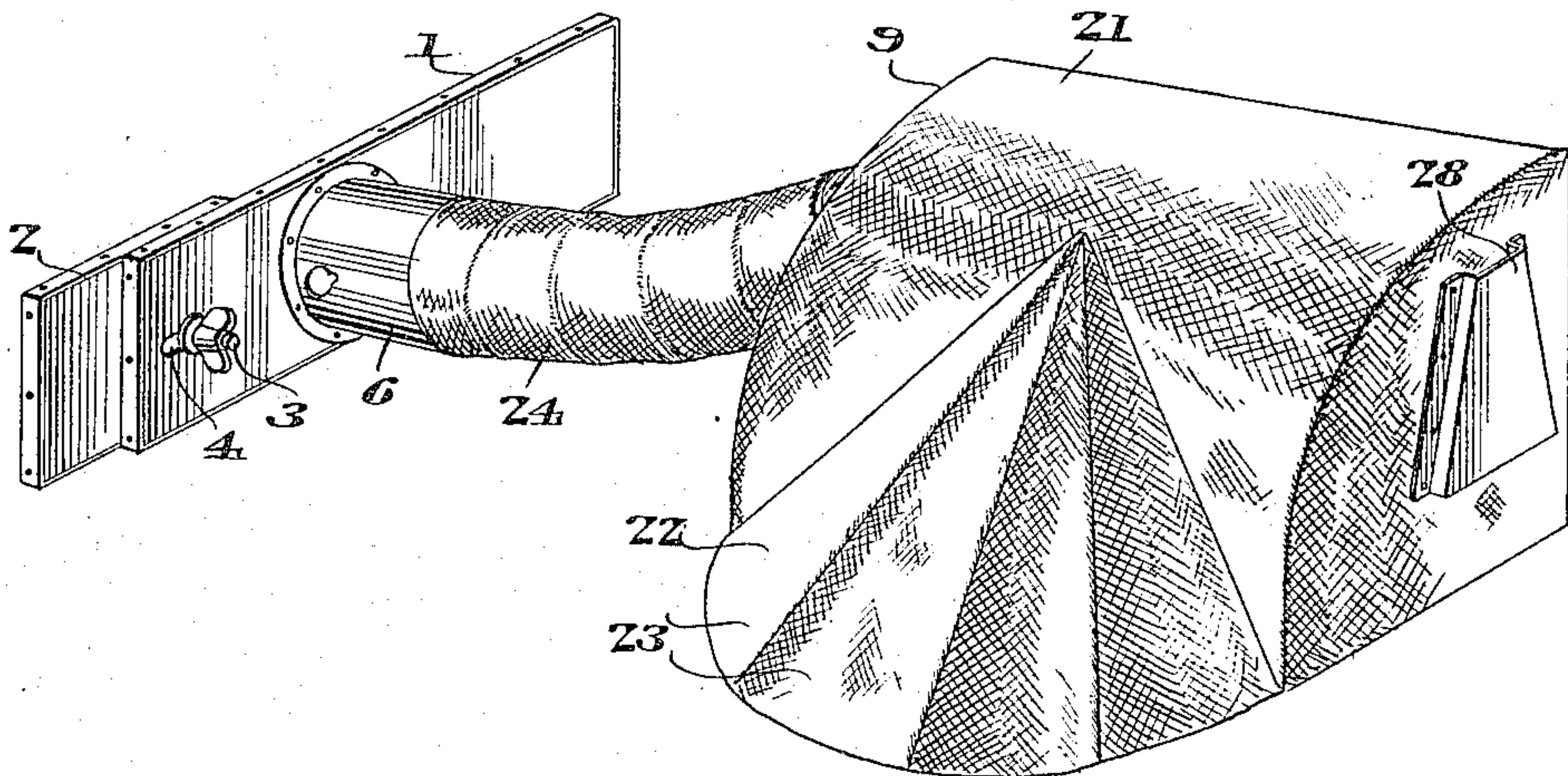


Fig. 2.

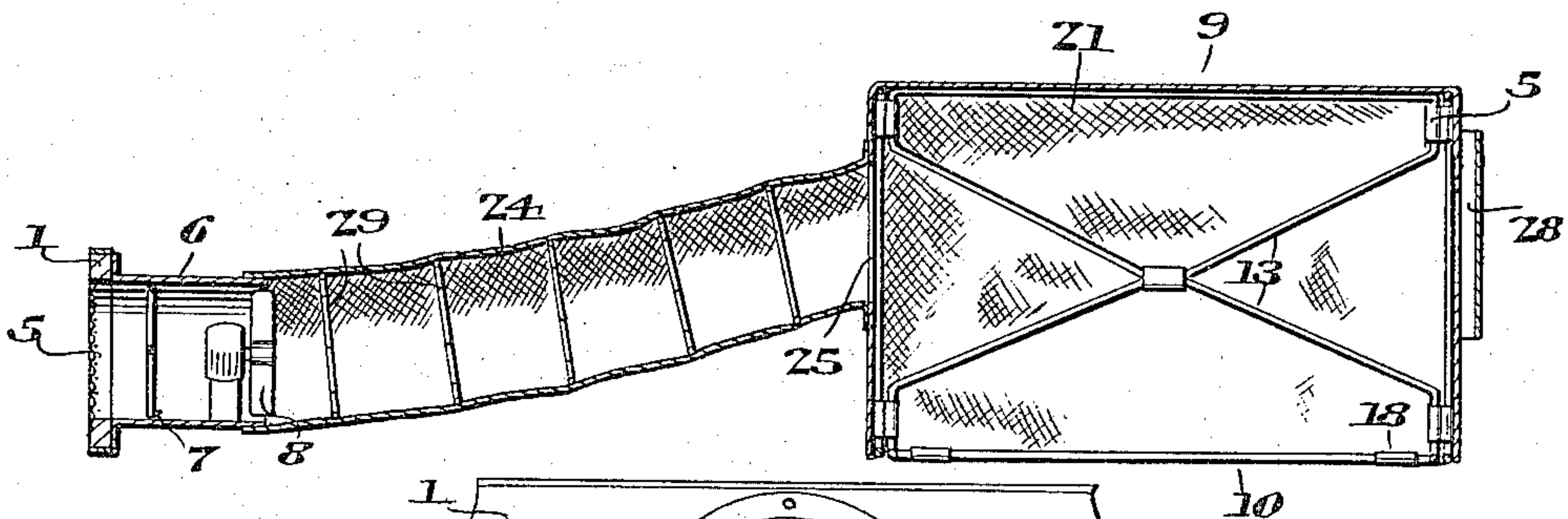
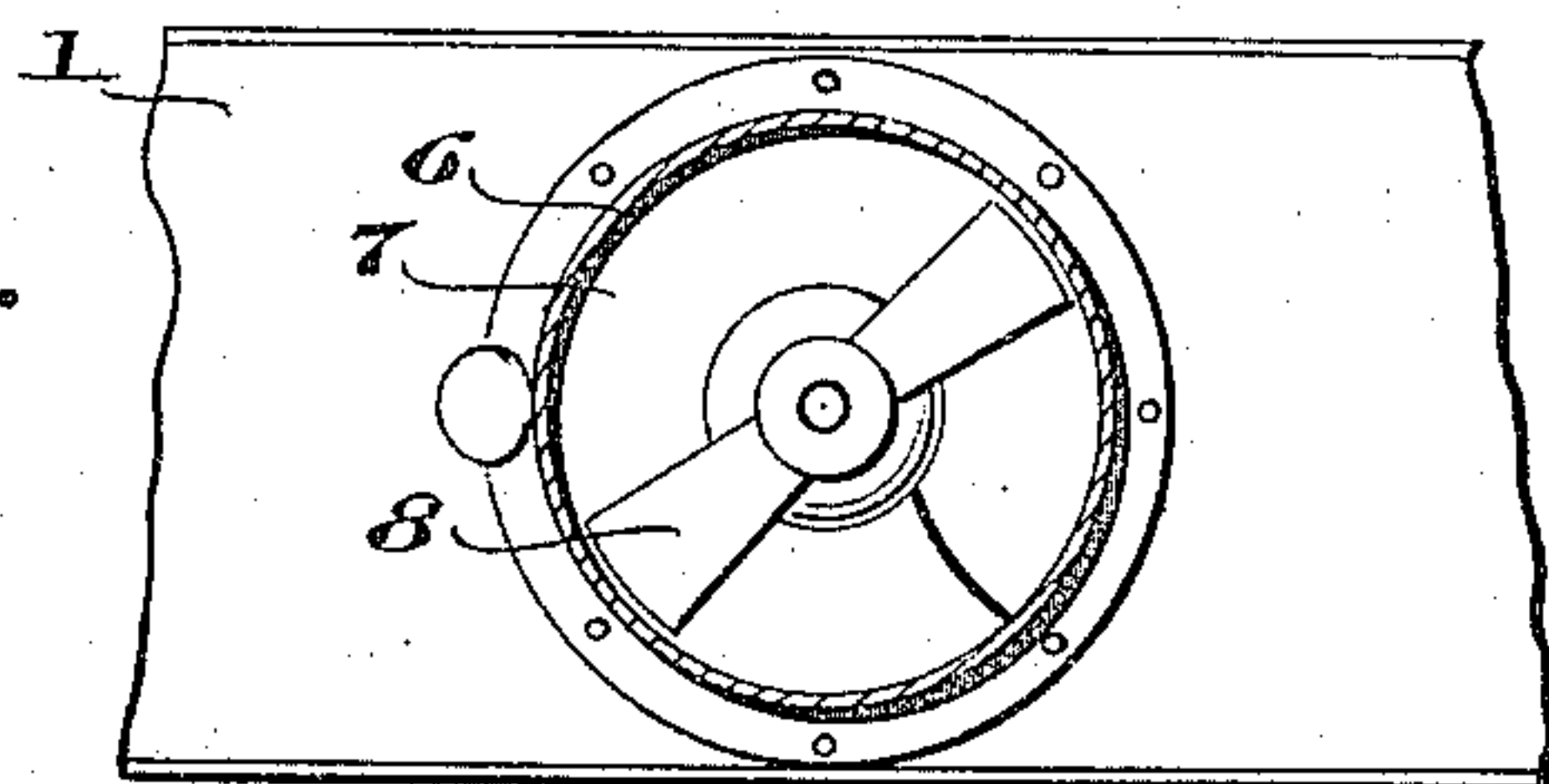


Fig. 3.



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Witnesses

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UNITED STATES PATENT OFFICE.

HECTOR A. AREL, OF NORTHAMPTON, MASSACHUSETTS.

WINDOW-VENTILATOR.

1,167,249.

Specification of Letters Patent.

Patented Jan. 4, 1916.

Application filed October 30, 1914. Serial No. 869,459.

To all whom it may concern:

Be it known that I, HECTOR A. AREL, a citizen of the United States, residing at Northampton, in the county of Hampshire and State of Massachusetts, have invented new and useful Improvements in Window-Ventilators, of which the following is a specification.

This invention is an improved window ventilator for supplying fresh air from without to a person or persons on a bed or couch within a room, the object of the invention being to provide an improved device of this character which is light, strong, cheap, which is simple in construction, which may be readily installed or removed, and which when not in use may be compactly folded so as to take up but very little room.

The invention consists in the construction, combination and arrangement of devices hereinafter described and claimed.

In the accompanying drawings:—Figure 1 is a perspective view of a window ventilator constructed in accordance with my invention. Fig. 2 is a vertical sectional view of the same on a plane intersecting the air feed pipe. Fig. 3 is a detail view of the air forcing means.

In the embodiment of my invention I provide a board 1 which may be arranged in the lower portion of a window frame, below a sash and which is here shown as provided with an adjustable member 2 which is secured to the board 1 by an adjusting screw 3 that operates in a slot 4 with which the board 1 is provided. The board has an opening 5 to admit fresh air and is provided with a collar 6 on its rear side, around said opening. In this collar or tubular member is a pivotally mounted regulating valve 7 by means of which the quantity of air admitted through the opening 5 may be regulated. Also arranged in the said collar is an electric fan 8 which may be of any

suitable construction. I also provide a hood, 45 composed of a suitable frame and covered with canvas, the same being connected with the outside air.

A flexible tube 24 which is made of canvas or other flexible material connects the collar 6 with one end of the hood and is attached to one end wall of the hood, which end wall has an opening 25 and also has a ventilator 26. The opposite end wall of the hood has an air expelling opening 27 and a ventilator 28. The tube 24 is provided with a series of internally arranged stiffening rings 29 to prevent the tube from collapsing, these rings being made of wire or other suitable material. 60

The person or persons using the ventilator place the hood over their faces. Fresh air is supplied from without by means of the tube 24 and the electric fan and the air which has been breathed is expelled through the opening 27 and ventilator 28. My improved ventilator enables the person while in a warm and comfortable room to breathe fresh air from without and is especially useful to persons suffering from pulmonary affections. When not in use the hood of the ventilator may be compactly folded so that the device will take up but little room. 70

Having thus described my invention, I claim:— 75

In a window ventilating device, the combination with a hood and means connecting said hood with the outside air and means for forcing air through said connecting means into the hood and said hood being provided with means permitting the escape of air from the hood into the room. 80

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

HECTOR A. AREL.

Witnesses:

GEORGE S. SWIFT,
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