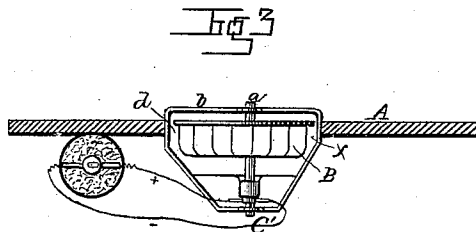
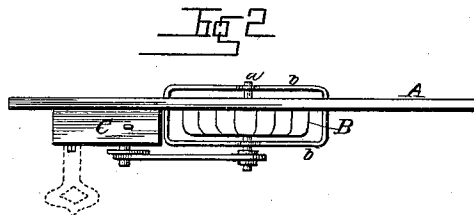
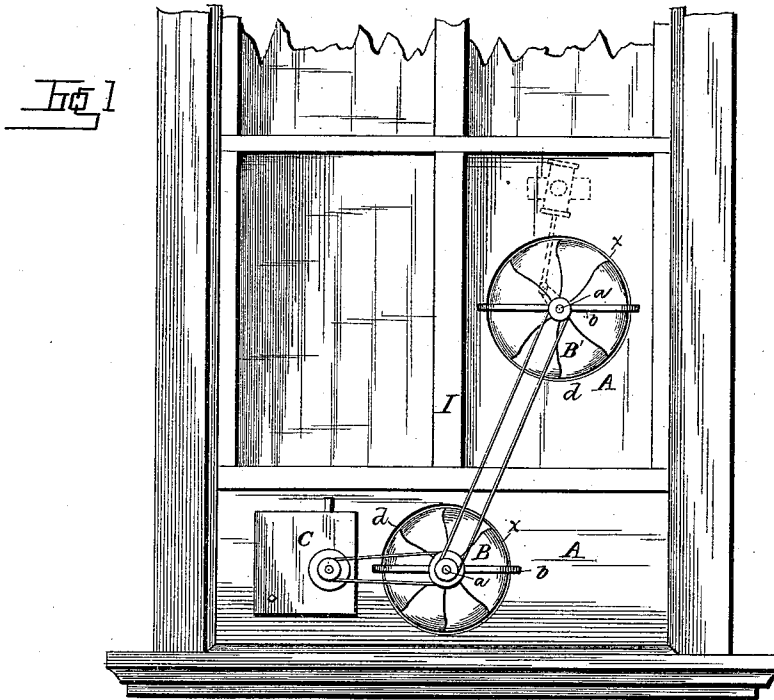


(No Model.)

T. C. PERRY.
PORTABLE VENTILATOR.

No. 307,794.

Patented Nov. 11, 1884.



Witnesses:
Josephine Campbell.
Jno. G. Hinkel.

T. C. Perry
Inventor:
By Foster & Freeman
Attys.

UNITED STATES PATENT OFFICE.

THEODORE C. PERRY, OF CHICAGO, ILLINOIS.

PORTABLE VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 307,794, dated November 11, 1884.

Application filed November 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, THEODORE C. PERRY, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Portable Ventilators, of which the following is a specification.

My invention is a portable ventilating device constructed as fully described hereinafter, and adapted to be applied to a window or other opening, so as to effect or assist in the ventilation of a room or chamber.

In the drawings, Figure 1 is an elevation of sufficient of a window and sash to illustrate my device and the method of its application. Fig. 2 is an edge view of the device shown in Fig. 1. Fig. 3 is a section illustrating a modification.

The object of my invention is to provide a ready means of ventilating a room or other space in those cases where ordinary appliances cannot be used in consequence of a lack of power to drive them, and this object I effect by the use of a strip or panel with an opening receiving or adjacent to a ventilating-wheel, said strip being adapted for ready application to a door, window, or transom, flue-opening, or any of the usual inlet or outlet openings of a building, and carrying a motor device by which the fan is rapidly revolved. Thus the board or panel A is adapted to fit the frame of a window beneath or above the sash or to one of the openings in the sash, or to a transom or door opening, &c., and carries a propelling or exhaust wheel or fan, B, the shaft *a* of which turns in suitable bearings, *b*, so arranged as to support the wheel in or opposite an opening, *d*, in the panel. Upon the panel is also arranged a motor which may be a clock-work, C, or an electric motor, C', so connected by gearing, belts, or otherwise directly or indirectly to the shaft of the wheel, that the latter is driven thereby with a rapid motion, so as either to expel the air from the apartment

or carry it into the same. By this means an apartment may be readily ventilated by simply inserting the panel in the opening to which it is adapted and then releasing or setting in motion the driving mechanism.

In Fig. 1 the lower wheel, B, is represented as driven by a belt from the clock-work C, the panel being held in place in the window-frame by the sash I, and a second wheel, B', the panel A of which fits a pane-opening, is driven from the first.

In Fig. 3 the armature of the electromotor C' is mounted directly on the shaft *a*, and the wires + — connected with the generator of any suitable kind at any available point.

Instead of a spring-motor or electric motor, the fan may be driven by means of compressed air or steam connecting with a suitable engine mounted upon a panel, A, as shown in Fig. 1 in dotted lines.

I do not claim the ventilating-wheel arranged in an opening to ventilate a room, this being old, my invention consisting in combining such a wheel and its motor with a panel by which it may be applied to the usual openings of the room, as above set forth.

I claim as my invention—

1. A ventilating device consisting of a panel adapted to a window or other opening of a room, a ventilating-wheel mounted in bearings adjacent to an opening in said panel, and a motor device carried by the panel and connected to convey motion to the ventilator-wheel, substantially as set forth.

2. The combination of the panel, ventilator-wheel, and motor mounted directly upon the shaft of the wheel, substantially as specified.

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

THEODORE C. PERRY.

Witnesses:

A. E. T. HANSMANN,
JOHN G. HINKEL.

It is hereby certified that Letters Patent No. 307,794, granted November 11, 1884, upon the application of Theodore C. Perry, of Chicago, Illinois, for an improvement in "Portable Ventilators," should have issued to *The Consolidated Patents Company*, of same place, assignees of the entire interest in the said invention; and that the proper corrections have been made in the files and records pertaining to the case in the Patent Office, and should be read in the Letters Patent to make it conform thereto.

Signed, countersigned, and sealed this 18th day of November, A. D. 1884.

[SEAL.]

M. L. JOSLYN,
Acting Secretary of the Interior.

Countersigned:

BENJ. BUTTERWORTH,
Commissioner of Patents.