

LEWIS KELLEY.

Ventilator.

No. 124,687.

Patented March 19, 1872.

Fig. 1.

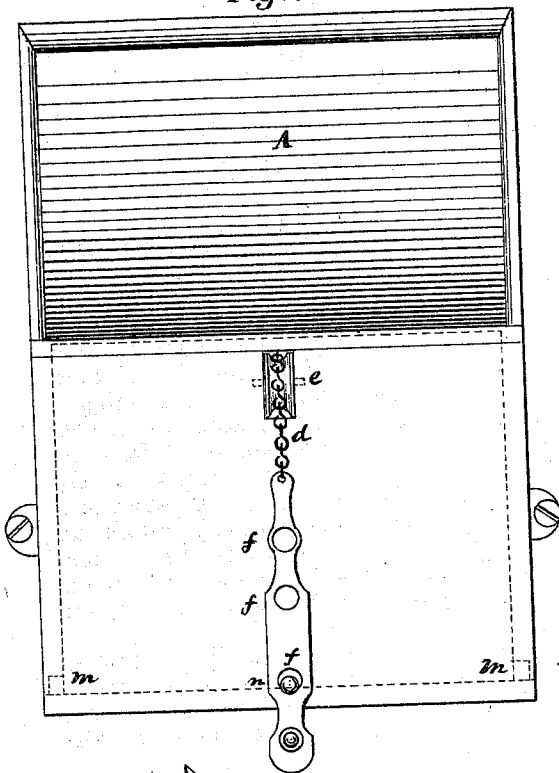


Fig. 2.

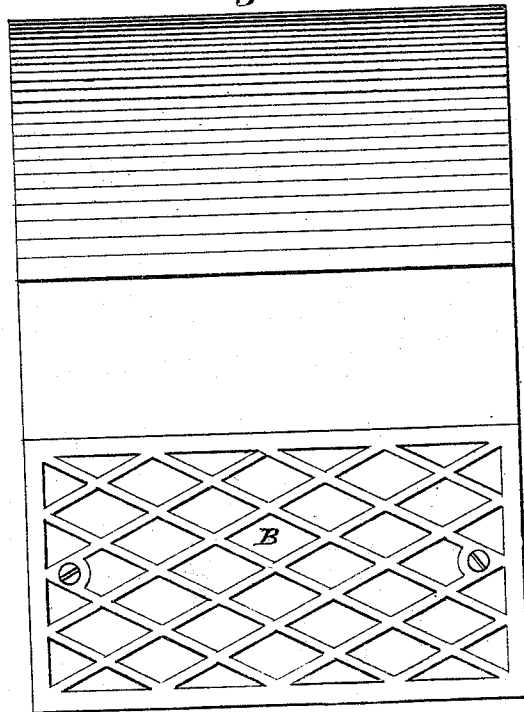
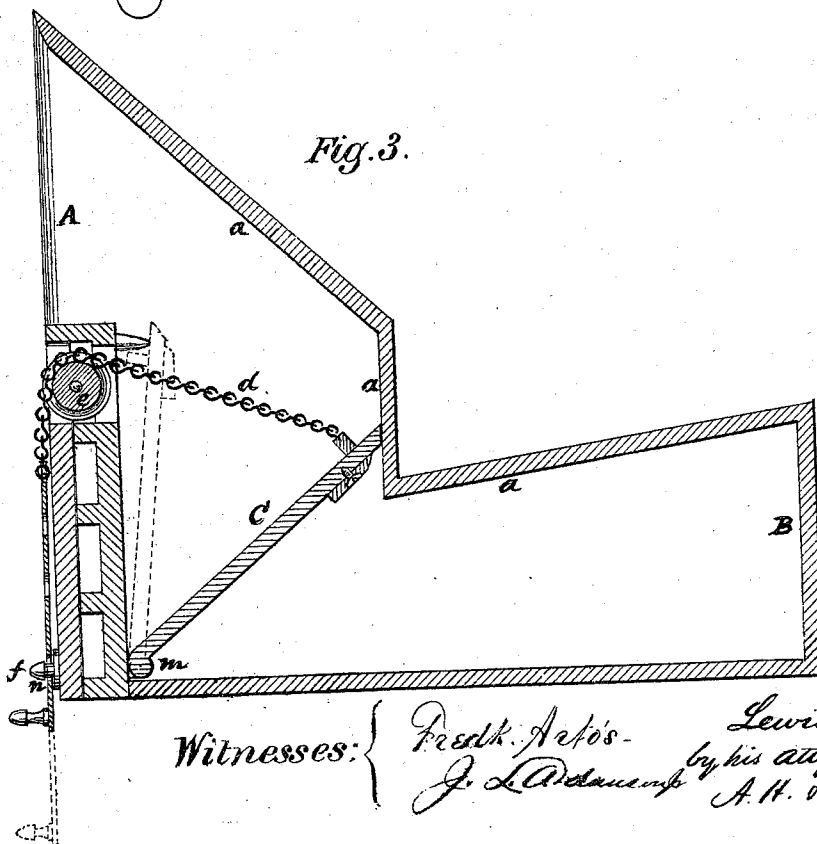


Fig. 3.



Inventor.

Witnesses: { Fredk. Art's- Lewis Kelley
J. L. Anderson by his atty.
A. H. & R. H. Evans

UNITED STATES PATENT OFFICE.

LEWIS KELLEY, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN VENTILATORS.

Specification forming part of Letters Patent No. 124,687, dated March 19, 1872.

To all whom it may concern:

Be it known that I, LEWIS KELLEY, of the city of Boston and State of Massachusetts, have invented a new and Improved Ventilator for Public Buildings and Residences, of which the following is a clear, full, and exact description, reference being had to the accompanying drawing, being a part of this specification, in which—

Figure 1 is a view of the inner opening. Fig. 2 is a view of the outside opening. Fig. 3 is a sectional view.

The object of my invention is to supply an effective and at the same time a cheap ventilator for buildings of all descriptions and for tenement-houses, by which to protect the health of tenants from the direct draught of air from open windows; and my invention consists in the peculiar shape of the air-passage, and the use of a falling shutter to close the same.

To enable others skilled in the art to make and use my invention, I will proceed to describe the exact manner in which I have carried it out.

The air-passage of my ventilator is shown in Fig. 3. The inner opening is shown at A, and the outside opening at B. The ventilator may be made of iron or other suitable material, and its length from A to B is made to correspond with the thickness of the wall into which it is to be introduced, so that the outer and inner surfaces of the ventilator will be flush with the surfaces of the wall. The external opening B may be of any desired pat-

tern or form. (See Fig. 2.) The air-passage is closed, whenever desired, by means of the shutter C. This shutter is pivoted or hinged at *m*, and is operated by a cord or chain, *d*, working over the pulley *e*, and held in position when raised by means of the slots *f f* and knob *n*, or any equivalent device, thus forming a neat and simple ventilator, either for the escape of foul air or the admission of fresh air into a building. The upper portion of my ventilator has the peculiar shape shown at *a a*, Fig. 3, which shape gives the draught an upward direction and prevents the air from striking directly on the occupants of the room. It also prevents the entrance of snow or rain through the air-passage.

This ventilator can be readily introduced into the walls of buildings in the course of construction, and without hindrance to the builders. It can also be easily placed in walls already constructed.

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

A ventilator for buildings, having an air-passage of the peculiar shape shown at *a a a*, and with the openings A and B, and the shutters C, all constructed, arranged, and operated substantially as and for the purpose above set forth.

Witnesses: LEWIS KELLEY.

J. O. TEELE,
HENRY KELLEY.