

E. M. GREENWAY, Jr.

Improvement in Ventilator.

No. 128,301.

Patented June 25, 1872.

Fig. 1.

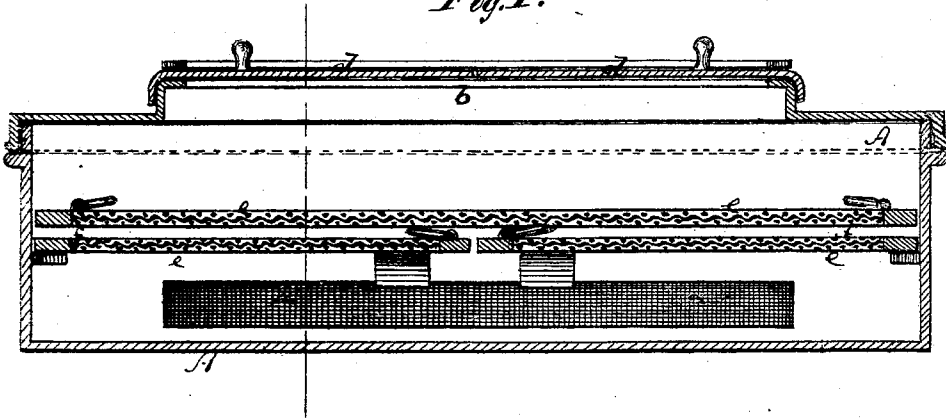
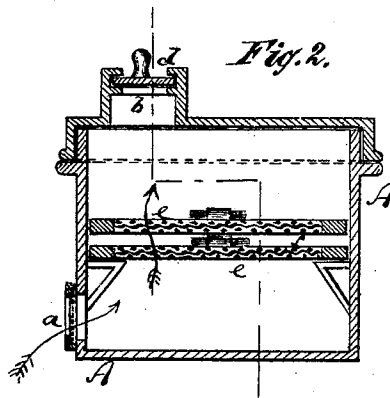


Fig. 2.



Witnesses:

P. C. Dutcher,
W. A. Graham

Inventor:

E. M. Greenway Jr.

PER

Attorneys.

UNITED STATES PATENT OFFICE.

EDWARD M. GREENWAY, JR., OF BALTIMORE, MARYLAND.

IMPROVEMENT IN VENTILATORS.

Specification forming part of Letters Patent No. 128,301, dated June 25, 1872.

Specification describing a new and Improved Ventilator and Air-Filter, invented by EDWARD M. GREENWAY, Jr., of Baltimore, in the county of Baltimore and State of Maryland.

Figure 1 represents a longitudinal section of my improved ventilator. Fig. 2 is a transverse section of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new ventilator and air-filter to be applied in the wall or in the windows or window-frames of buildings; and consists in the arrangement of a box open to the outer air and to that within the house, and containing, between perforated sieves, one or more layers of cotton fiber. This fiber is known as the most perfect air-filter, and by its use the air for human consumption will be freed from dust, insects, organic cells, contagious germs, and other noxious material.

A, in the drawing, represents a box, made of metal or other material, of suitable length

and width, and open on two sides at *a* for the admission of air from without, and at *b* for the entry of the air to the room. The opening at *b* may be regulated in size by means of slides or gates *d*, so that the quantity of air to be admitted may be regulated. Between perforated plates or sieves *e e* which are arranged within the box A is placed a layer, *f*, of cotton fiber. In fact, the entire box may be filled with such fiber, more or less, the same serving as a filter for the air admitted to the building.

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

An article of manufacture consisting of a box having openings at *a* and *b*, perforated plates *e e*, and layers of cotton fiber, all arranged as and for the purpose described.

EDWARD M. GREENWAY, JR.

Witnesses:

W. H. WARD,
WM. H. BAYZAND.