

G. HAYES.
Ventilator.

No. 217,215.

Patented July 8, 1879.

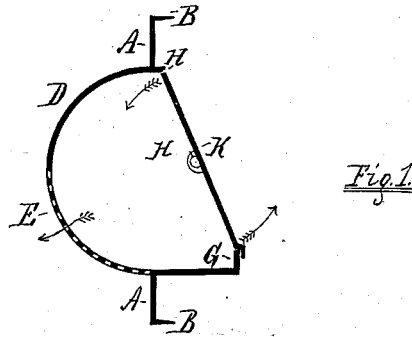


Fig. 1.

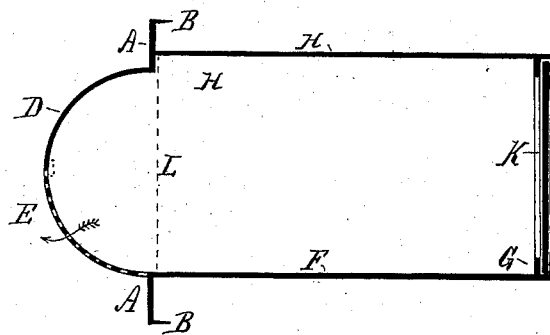


Fig. 2.

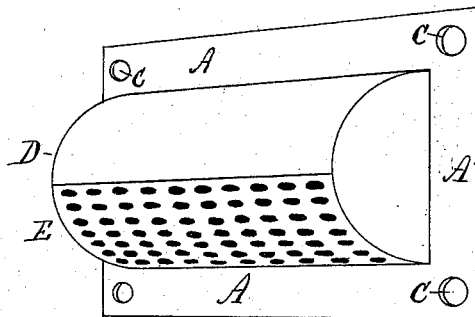


Fig. 3.

Witnesses

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GEORGE HAYES, OF NEW YORK, N. Y.

IMPROVEMENT IN VENTILATORS.

Specification forming part of Letters Patent No. **217,215**, dated July 8, 1879; application filed February 17, 1879.

To all whom it may concern:

Be it known that I, GEORGE HAYES, of the city, county, and State of New York, have invented a new and Improved Ventilator, of which the following is a specification.

The object of my invention is to provide a device readily placed in position wherever desired, by any person, skilled or not, and which, when so placed, will effectually exclude rain or snow, &c., while permitting outward or inward currents of air to pass freely, and containing within itself a means whereby said air-currents may be diminished or entirely excluded at pleasure, provision being made against leakage or drip.

My invention consists of a ventilating device formed to sit into or fit into an aperture through wall or partition of a building or other suitable structure, the face-plate of the same extending beyond the sides, and its edge, all around, provided with an inward or in-turned flange having sharp edge adapted to cut into the wall as the plate is pressed up closely, so as to make a tight joint and provide against leakage at that point, and the said face-plate provided with a half-cylinder projection reaching outward from its face, the lower half of which is perforated or screened, forming an air inlet or outlet, and its upper half plain, forming a hood to protect the screened opening below. Perforations are provided at the corners of said plate, outside its inner walls, through which screws, rivets, &c., pass in securing the device to its position. At the back of said face-plate, extending backward to any desired distance, are walls, forming sides, also bottom, and, as desired, a top. At a proper distance an upturned flange is formed to bottom plate as a "set-back" or gutter, to turn back any water that may have found its way to the interior of device, and at a suitable point is provided a valve or damper, of any suitable size, shape, or style, to diminish or entirely exclude air-currents, where desired, the whole, when combined, forming a device capable of being transported safely to any distance, readily applied, and effectual in action. While allowing free passage for air-currents, it effectually excludes rain, snow, &c., provides against leakage or drip, and allows the

air-currents to be limited or diminished, and, when desired, entirely excluded or shut off.

Referring to the accompanying drawings, Figure 1 is a vertical section of the device as adapted for a thin wall—as, for instance, a skylight-frame. Fig. 2 is a vertical section adapted for a thicker wall, the casing extending backward farther than in Fig. 1. Fig. 3 is an exterior view in perspective.

Like letters refer to like parts.

A represents the face-plate, having backward-turned edge B, made sharp to cut into the structure to which it is attached when pressed up tightly thereto. At C are holes through said plate, to receive screws, rivets, &c., for fastening the same to the building. The outwardly-extending half-cylinder has its upper half or hood marked D and its lower half marked E. The lower half, E, is perforated or otherwise constructed to form a screen, through which air may pass.

F represents bottom of casing or boxing, having upturned flange at G, forming set-back or gutter to turn back water, should any find its way inside. H represents side walls and top of said casing, the said walls, top, and bottom being in extent suited to the thickness of walls belonging to the structure to which it is attached or adapted. K represents a valve or damper, which may be of any suitable size, shape, or style to secure the results desired, and which may be operated by cord or otherwise, as most suitable. At L dotted lines show an interior screen, which may be added, if desired.

What I claim as my invention, and desire to secure by Letters Patent, is—

A ventilating device consisting of a box or casing formed to set into or fit into an aperture through wall or partition of a building or other suitable structure, the face-plate of said device extending all around beyond the walls of casing or case to cover the joining, and said extension provided with an inturned flange having sharp edge adapted to cut into the wall as the plate is pressed up closely to make a tight joint, and the said face-plate provided with a half-cylinder projection reaching outward from its face, the lower half of which is perforated or screened, forming air inlet or

outlet, and the upper half plain, forming a hood to protect the screened opening below, and the interior of said casing provided with an upturned flange, forming a set-back or gutter to turn outward any water that may have been driven in, and also provided with a valve or damper, by which the passage of air-cur-

rents may be limited or entirely excluded, the whole being arranged and combined substantially as described and set forth.

GEORGE HAYES.

Witnesses:

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