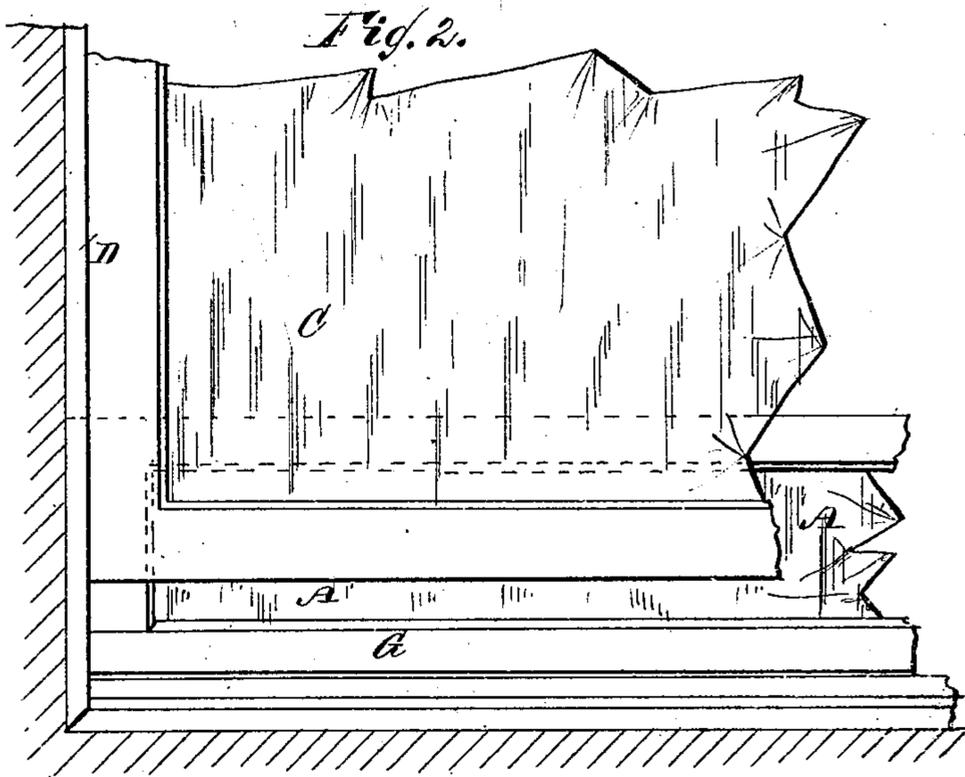
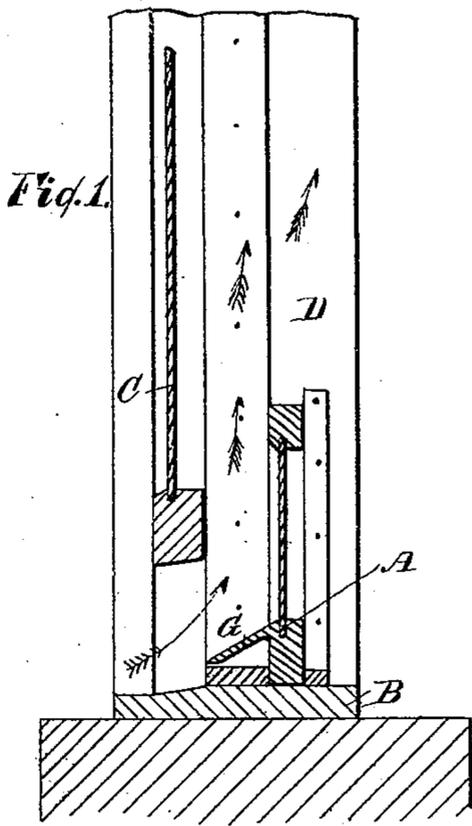


(No Model.)

J. G. BRONSON.
WINDOW VENTILATOR.

No. 270,733.

Patented Jan. 16, 1883.



WITNESSES:

Theo. G. Hoston
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INVENTOR:

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Mum & Co.
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UNITED STATES PATENT OFFICE.

JOHN G. BRONSON, OF CHICAGO, ILLINOIS.

WINDOW-VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 270,733, dated January 16, 1883.

Application filed February 18, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN G. BRONSON, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Window-Ventilator, of which the following is a full, clear, and exact description.

The object of my invention is to facilitate ventilating apartments by means of the windows.

The invention consists in the peculiar construction and arrangement of parts, as hereinafter fully described, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a cross-sectional elevation of a window provided with my improved window-ventilator. Fig. 2 is an outside longitudinal sectional elevation of the same.

A sash or deflector plate, A, about one-third of the height of an ordinary sash, is located on the sill B, about one to six inches inside of the lower sash, C. This sash or deflector plate A can be provided with plain or ornamental glass; or it can be made of wood and provided with panels and other ornaments. It is arranged to slide up or down into a recess in the sill in the same manner as the car-windows slide into the wall of the car.

If desired, the deflector-plate may be provided at its bottom with an outwardly-projecting and downwardly-inclined weather-strip, G, to prevent the rain from being driven between the bottom of the deflector-plate and the sill into the room; or, instead of providing the de-

flector with the weather-strip, a false sill, having its upper surface beveled, may be placed upon the sill B, and the deflector rest upon it. If fresh air is to be admitted into the apartment, the lower sash, C, is raised more or less, but must never be raised above the top of the deflector-plate A. The current of air entering through the space between the bottom of the sash C and the sill B will strike against the deflector-plate, and will be guided or deflected upward into the apartment, as indicated by the arrows in Fig. 1. A great quantity of air can thus be admitted into the apartment without creating a draft in the same, and the window can be raised to admit fresh air during rainy or stormy weather without causing any inconvenience to the occupants of the room or apartment.

This window-ventilator or deflector-plate is very well adapted for cars, as it permits the air to enter, but prevents cinders and dust from passing into the car.

If desired, a deflector may be provided at the top and bottom of the window.

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

The combination, with the sash C and the sill B, of the deflecting-plate A and the weather-strip or rain-guard G, substantially as herein shown and described, and for the purpose set forth.

JOHN G. BRONSON.

Witnesses:

GEORGE KEEN,
S. E. REDFERN.