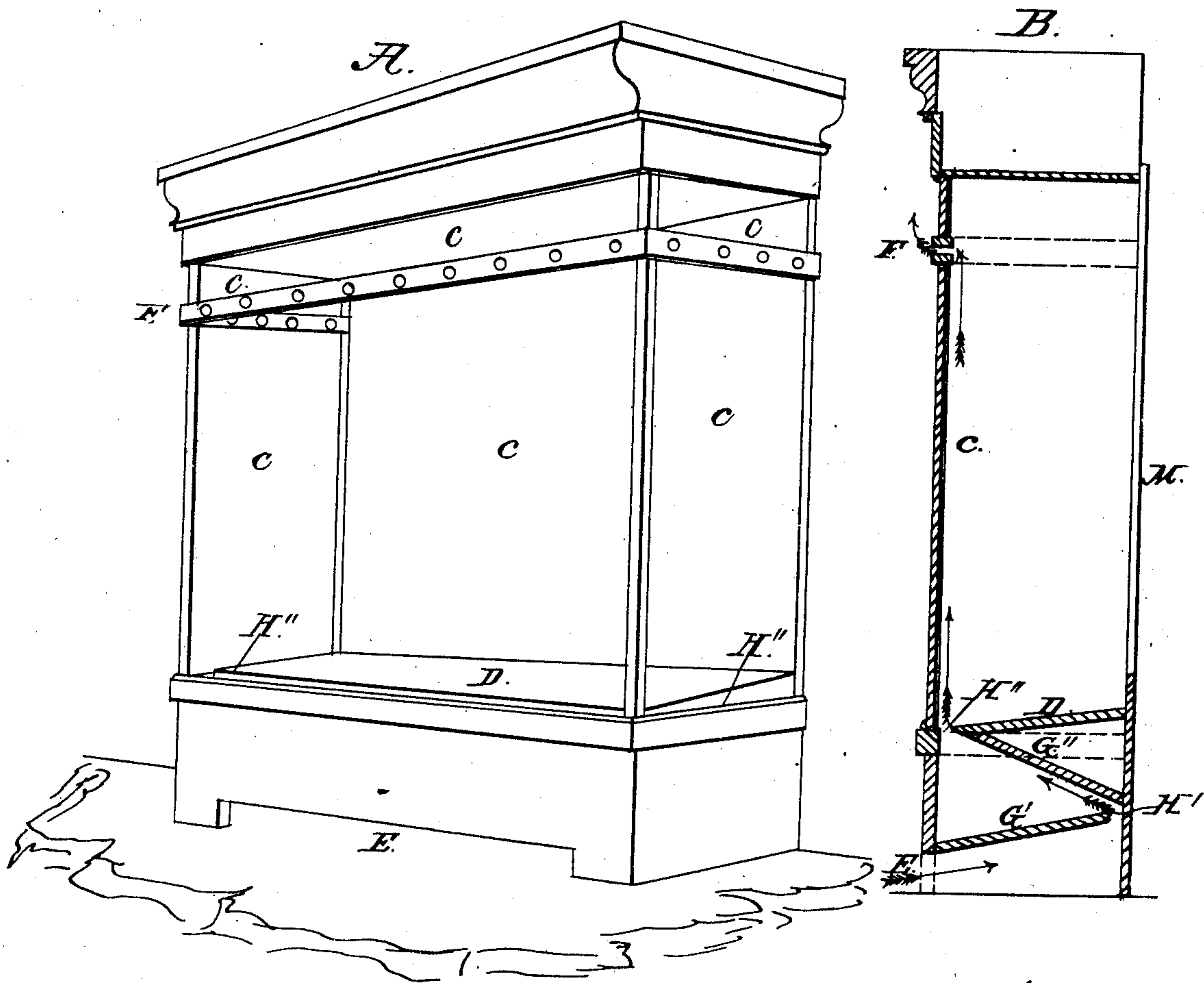


S. R. MASON.
BULK WINDOW REGULATOR.

No. 26,918.

Patented Jan. 24, 1860.



Witnesses.
Heph Clark
Robert Daugherty

Inventor:
Samuel Rufus Mason -

UNITED STATES PATENT OFFICE.

S. RUFUS MASON, OF PHILADELPHIA, PENNSYLVANIA.

VENTILATION OF BULK-WINDOWS.

Specification of Letters Patent No. 26,918, dated January 24, 1860.

To all whom it may concern:

Be it known that I, SAMUEL RUFUS MASON, of the city of Philadelphia, in the State of Pennsylvania, have invented a Mode
5 of Preventing the Formation and Collection of Moisture, Frost, &c., on the Inside of the Glass Lights of Store-Bulks and other Windows; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying
10 drawings and to the letters of reference marked thereon.

It is well known to all persons who have lived in the cooler portions of this country
15 that the show windows of stores, as well as all other windows are subject to have the inside of the glass lights thereof obscured by the formation of moisture, frost, &c., during the cold portions of the year, thereby preventing persons in the street from seeing the
20 goods exposed to public gaze.

The nature of my invention consists in providing all such windows with an inner sash or door to separate them from the interior of
25 the store or room, and to make openings at bottom and top of said windows of such suitable sizes as will cause or allow a current of air from the outside or street to pass up against the inside of the front glass lights, and thus by equalizing (or nearly so) the
30 temperature inside the window with that on the outside, to prevent the formation of moisture, frost, &c., on the inside of said glass lights.

35 To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Letter A, in the accompanying drawings represents a perspective view of the front of

an ordinary store bulk, while B, is a section 40 of the same from front to back.

C, represents the usual glass lights next to the street and M, the interior sash or door separating the window from the store or room. D, the bottom of the window upon
45 which the show goods are placed.

E, represents the inlet opening which allows a current of air from the street to enter under the diaphragm G', then to pass through the opening H', under the diaphragm G'' and then through the opening
50 H'' directly against the inside of the glass lights C, along the face of which it rises and escapes through the outlet F.

The forms of store bulks or show windows 55 and in fact all windows are of such multifarious patterns that no plan can be shown which would apply to all of them; the mechanic must therefore bear in mind the principles of my invention, and place the inlets 60 and outlets so as to direct the current against the inside of the front glasses, and make a glass or other door as at M to cut off the atmosphere of the store or room from that of the window. The sizes of the inlets and out- 65 lets must be proportionate to the size of window and amount of glass surface to be cooled.

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

The combination of the inlets E, H''; out- 70 lets F, and interior sash or door M, with store bulks or other windows, substantially in the manner and for the purposes as described.

S. RUFUS MASON.

Witnesses:

W. THOMPSON,
JOHN DAVIS.