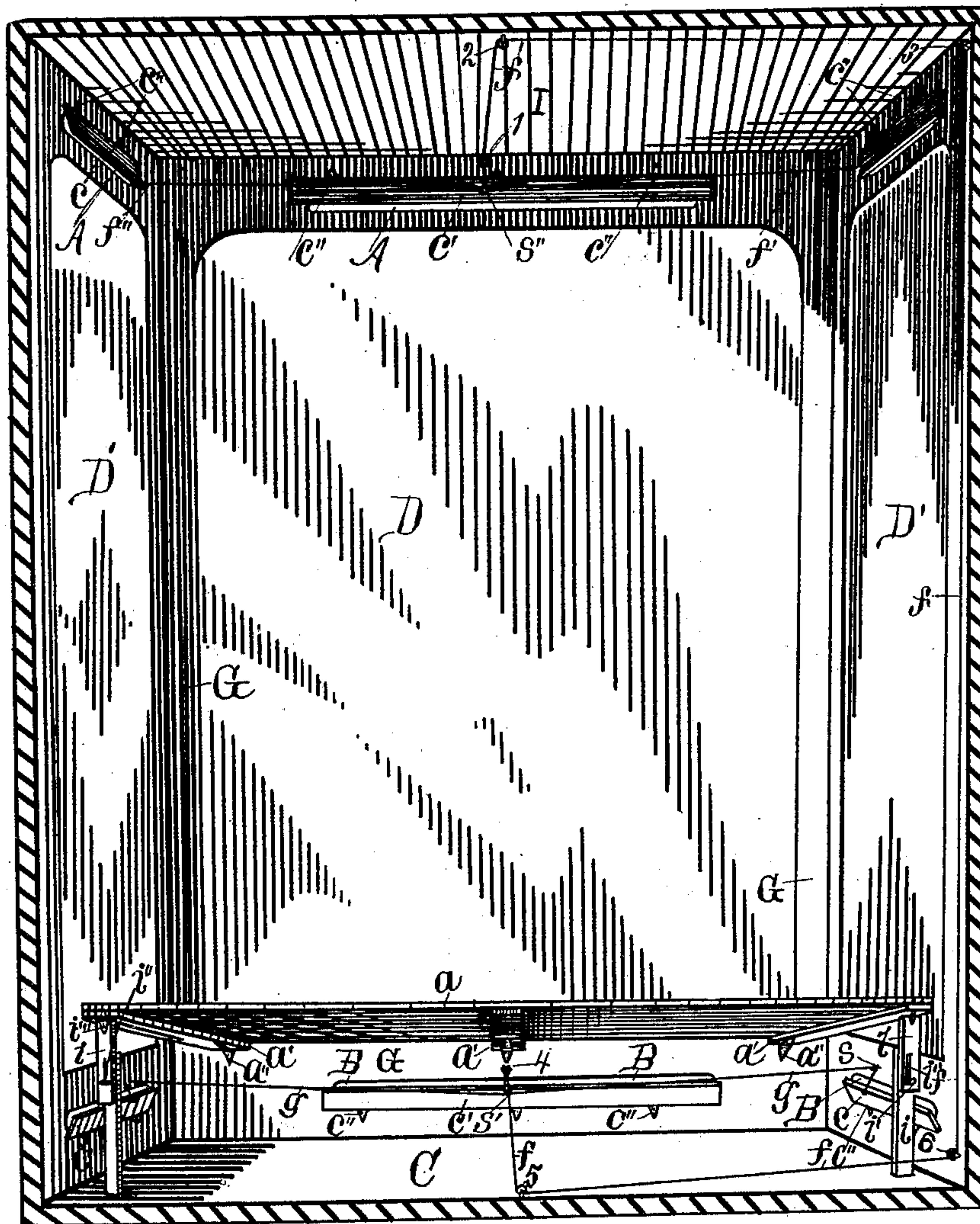


(No Model.)

G. W. RICHWINE.
SHOW WINDOW VENTILATOR.

No. 297,008.

Patented Apr. 15, 1884.



WITNESSES:
L. A. Adamson
A. B. Adamson

George W. Richwine
INVENTOR;
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HIS ATTY.

UNITED STATES PATENT OFFICE.

GEORGE W. RICHWINE, OF MUNCIE, INDIANA.

SHOW-WINDOW VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 297,008, dated April 15, 1884.

Application filed January 10, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. RICHWINE, a citizen of the United States, residing at Muncie, in the county of Delaware and State of Indiana, have invented a new and useful Improvement in Show-Windows, of which the following is a specification.

My invention relates to improvements in show-windows, the object being to provide a window with an adjustable floor of the construction hereinafter fully described.

The drawing represents a vertical section of a show-window provided with my improvements.

The frame G, bottom C, and top I are of a common form, having large plate-glass D D'.

It is well understood by those familiar with inclosed show-windows that in cold or damp weather the frost, sweat, or ice will accumulate on the said glass, and render it impossible to see goods displayed in such windows.

In the drawing it will be seen that openings or slots B are cut in the bottom of the frame G. Over these opening are hinged the lids c by hinges c'. The lower lids are hinged to the under side of the openings B, and are all connected together by the cords g, which join the cord f near the pulley 4. The cords g are attached to the lids, as shown, and pass through a loop, s, then through the loop s' and over the pulley 4. From there it goes around the pulleys 5 and 6, and then up the frame G to the top. The bottom a is hinged to the front of the frame g, and is provided with adjustable legs i at the rear of said bottom, as shown. These legs consist of two parts, the upper part being hinged to the said bottom by a hinge, i'', and provided with a slot, i'''. Through the slot i'' and through the lower part of the leg

a thumb-screw, i', is placed, which is used to hold the two pieces firmly together. By loosening the screws, the floor can be laid down level or adjusted on an incline; then by tightening the thumb-screws it is held in the desired position. At the top of the window are openings A, cut through the frame G, the same as at the bottom, and the lids c c' are hinged above the openings, and all connected together by the cords f' f'', the same as the bottom openings. The cords f' and f'' are connected to the outer lids, c, and pass through the loop s'' in the lid c'; then forming the cord f, it passes over the pulleys 1, 2, and 3, the same as the bottom cords. It will therefore be seen that the cords f join at the bottom with the cords g g, thus connecting the upper and lower lids together. By pulling up or down on the cord f, (where it runs along the glass D',) all six of the openings may be opened or closed, as desired. By the lower lids c c' being hinged at the under side of the openings, they form an incline, and cause the air to more readily pass up along the glass when they are open, and by the upper lids c c' being hinged above the openings they catch the air or draft in coming up and cause it to rapidly pass out of the window.

Having thus described my invention, I claim the following and desire to secure the same by Letters Patent:

The combination, with a window-frame, of a hinged floor, supported above the lower part of the frame by overlapping adjustable legs, substantially as set forth.

GEORGE W. RICHWINE.

Witnesses:

C. W. MOORE,
W. H. PHILLIPS.