

No. 763,106.

PATENTED JUNE 21, 1904.

G. S. MYRICK.
WINDOW VENTILATOR.

APPLICATION FILED SEPT. 19, 1903.

NO MODEL.

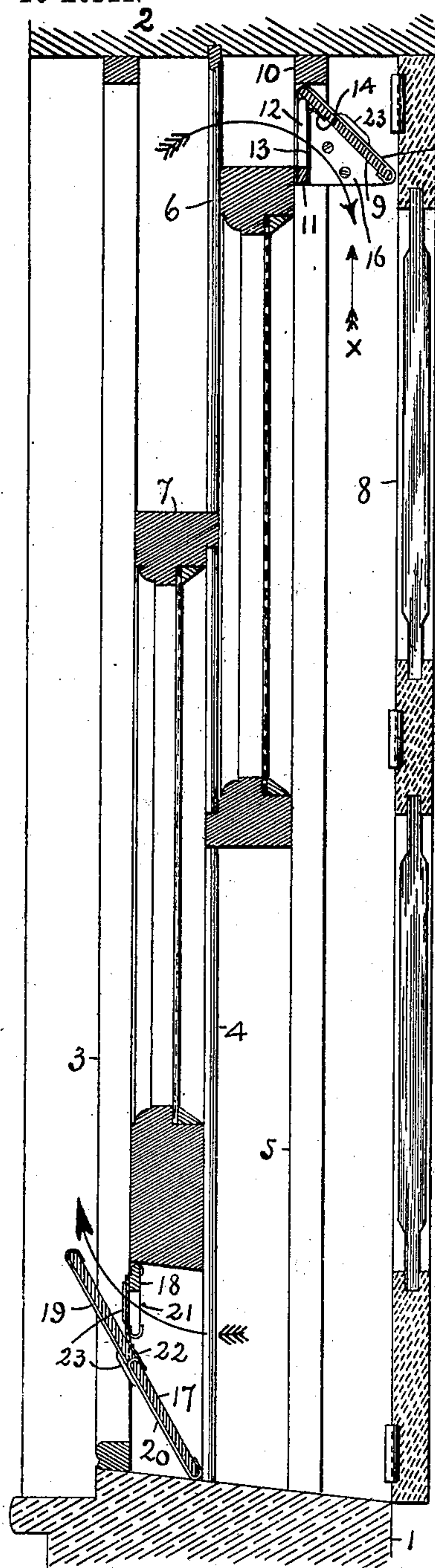


Fig. 1

Witnesses.
E. W. Smith
W. H. Nightingale

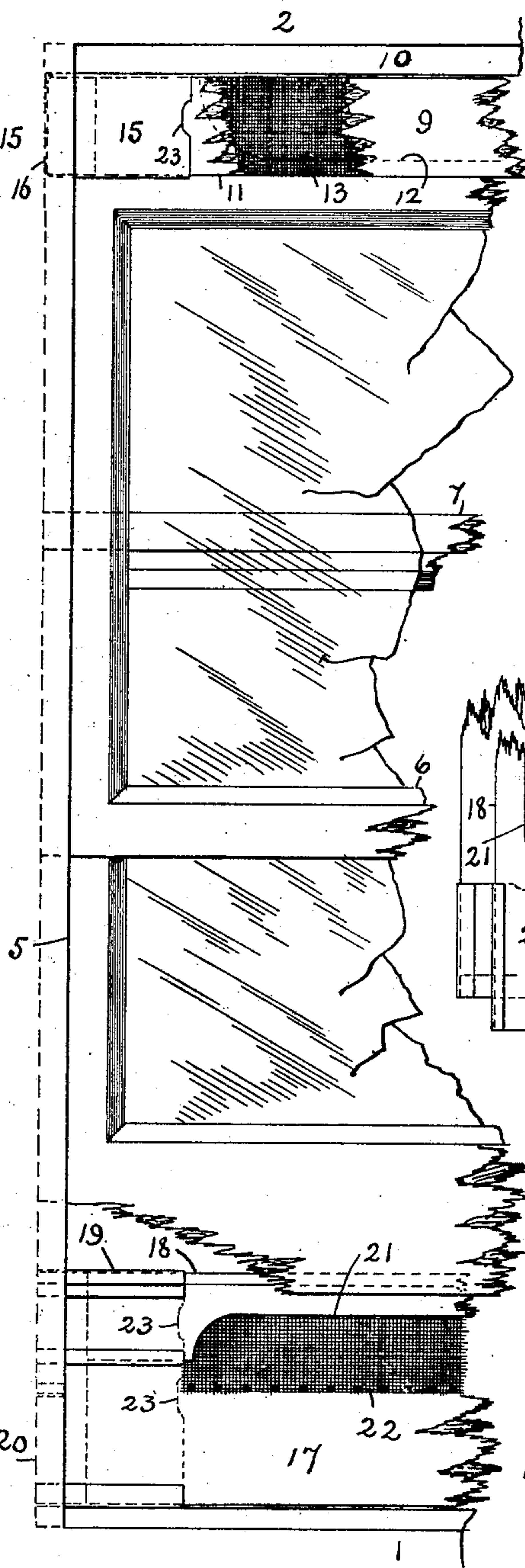


Fig. 2

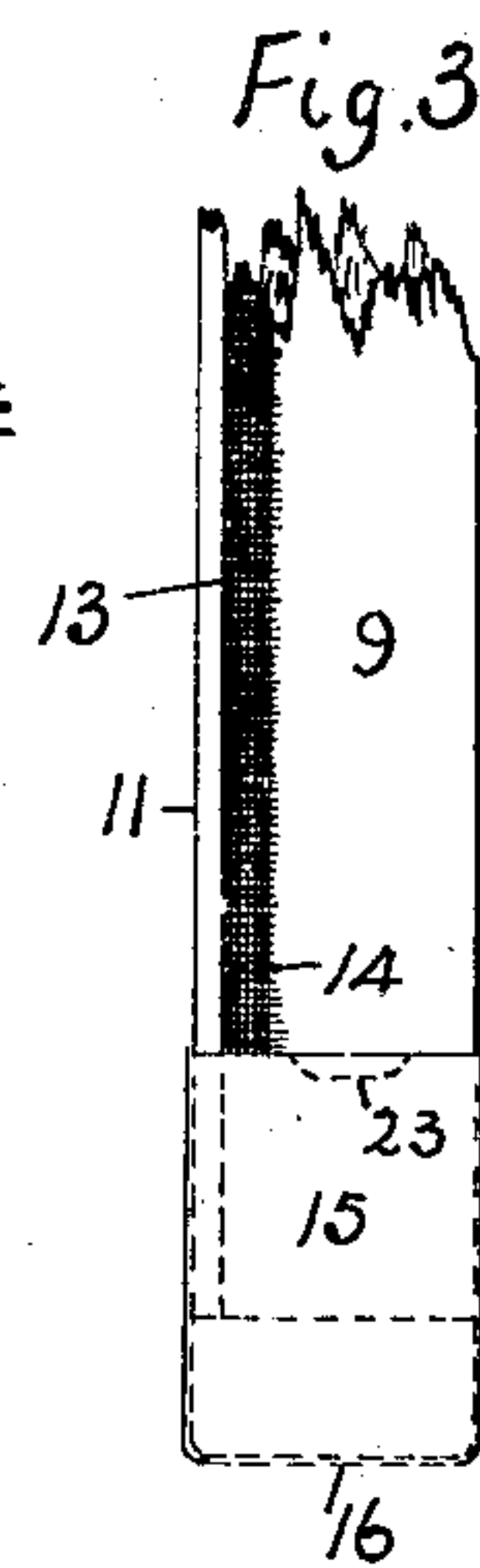


Fig. 3

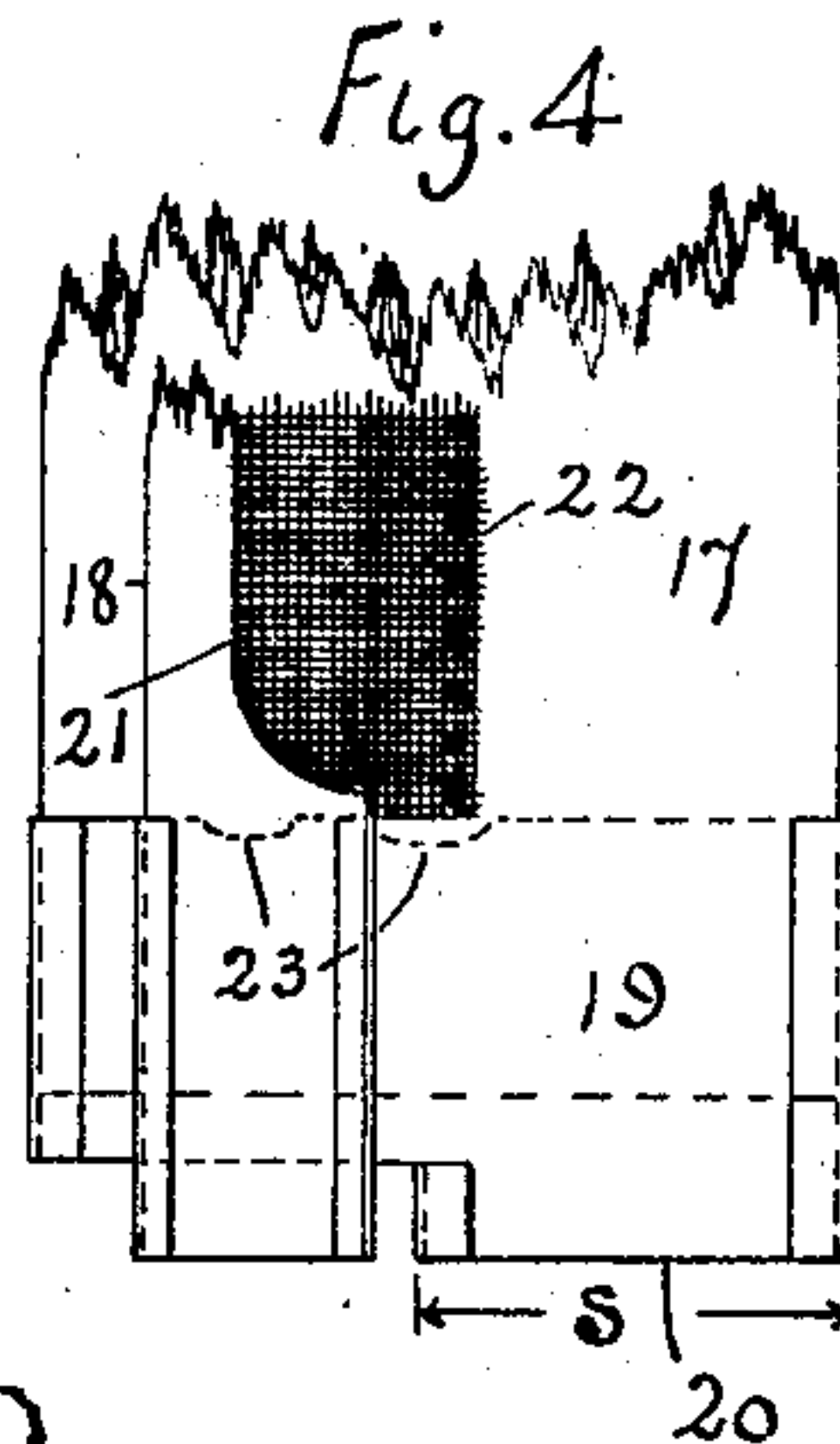


Fig. 4

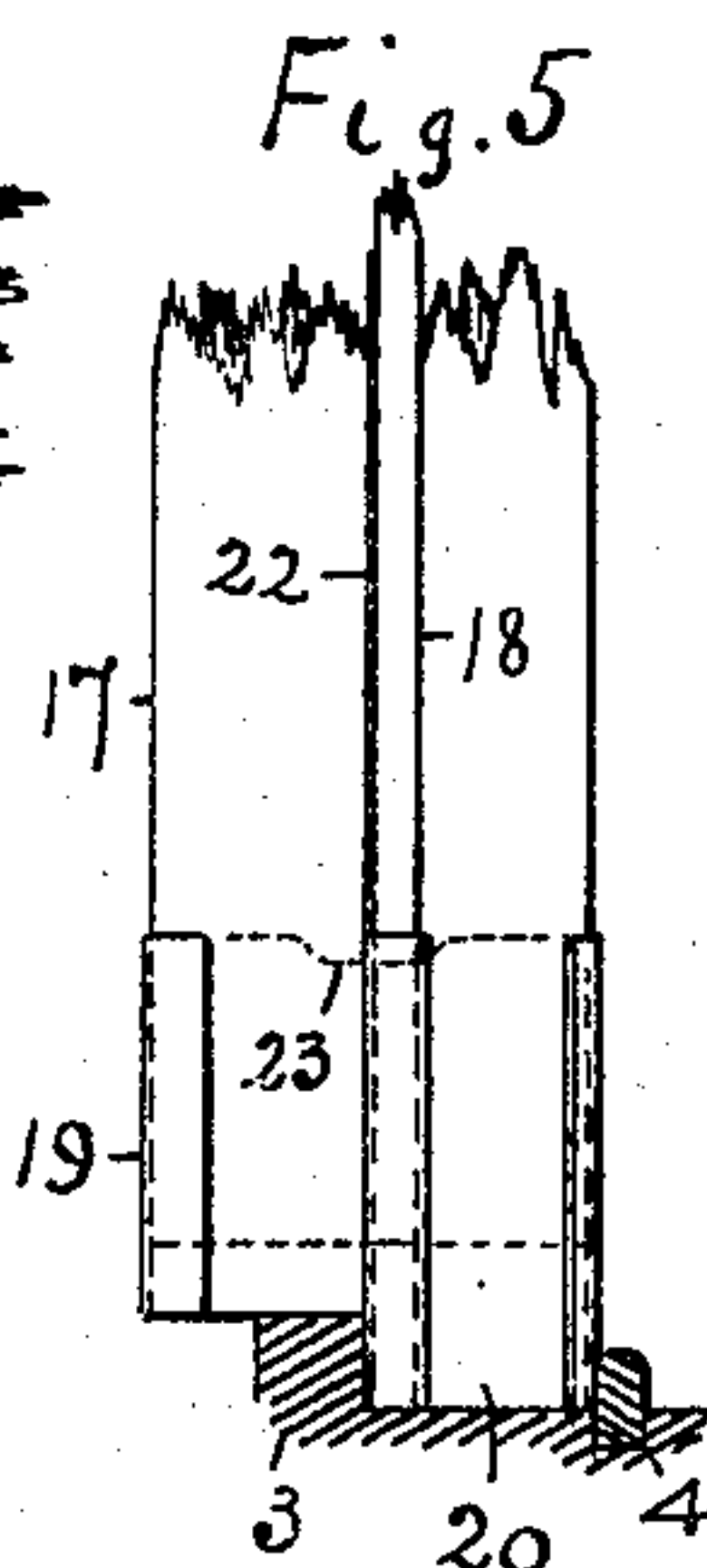


Fig. 5

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UNITED STATES PATENT OFFICE.

GILBERT S. MYRICK, OF PHILADELPHIA, PENNSYLVANIA.

WINDOW-VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 763,106, dated June 21, 1904.

Application filed September 19, 1903. Serial No. 173,761. (No model.)

To all whom it may concern:

Be it known that I, GILBERT S. MYRICK, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Window-Ventilators, of which the following is a specification.

This invention relates to means for the ventilation of rooms by the egress of warm air from the top of the window and the ingress of cold air at the bottom of the window. The means employed at the top of the window does not interfere with the sash or shutters and blinds exterior to the window and is constructed to prevent the entrance of rain or snow and screened to exclude insects and dust, while the means employed at the bottom of the window is also storm, insect, and dust proof, and the top and bottom means may be used jointly or separately, according to necessity or desire.

As it is essential for perfect ventilation to provide for the exit of vitiated air at the same time pure air is admitted, the means herein provided accomplish the desired end in a simple and comparatively inexpensive manner, coöperating for perfect results.

The invention is illustrated in the accompanying drawings, in which similar parts are designated by similar reference characters, in which—

Figure 1 is a vertical cross-section through a window and the ventilators. Fig. 2 is an outside elevation view of one side of a window and the ventilators, the shutter or blind being removed. Fig. 3 is a view of one end of the egress-ventilator looking upward in the direction of the arrow at *x* in Fig. 1. Fig. 4 is a view of one end of the ingress-ventilator laid flat. Fig. 5 is a top view of one end of the ingress-ventilator as held in position by the inside molding and the parting-strip shown in section.

The window comprises the usual sill 1, cap 2, inside molding 3, parting-strip 4, and outside molding 5, which guide and secure the upper sash 6 and the lower sash 7, and the window is provided with an outer shutter or blind 8.

The egress-ventilator is formed by an outer member 9, with its upper edge fitting under molding 10, and it is inclined therefrom downwardly and outwardly and so that its lower edge clears the shutter or blind 8. Under the upper edge of member 9 and reaching vertically downward is member 11, which for a portion of its upper central part 12 is cut away for air passage and covered by a fine wire screen 13, which is also secured at its edge 14 to member 9, allowing air passage and excluding dust and insects. Members 9 11 are of less length than the width of sashes 6 7, and adjustable ends 15 are provided to secure a snug fit, the ends being of triangular form having overlapping parts to secure them to members 9 11 adjustably with an end 16, by which all parts are permanently secured to the window-frame without any interference whatever with the operation of the sash or any exterior shutter or blind and set at an angle to be storm-proof.

The ingress-ventilator is formed by a deflector member 17 and a screen member 18, each being shorter than the width of a sash, and their ends are provided with adjustable extensions. Extension 19 for member 17 overlaps its inner face and embraces its top and bottom edges and has a projection 20 at its outer end, which passes between the inside molding 3 and the parting-strip 4. The width of the projection 20, as seen at S, Fig. 4, determines the angle at which the deflector 17 stands, as seen in Fig. 1. The extension for member 18 overlaps its inner side and embraces its top and bottom edges and lies close to inner molding 3. Member 18 is cut away at its lower central part 21, and a fine-wire screen 22 is secured over the opening, with its lower edge secured to deflector 17, thus forming a hinge between parts 17 18. The lower sash 7 fits down on top of member 18, and the angularity of the deflector 17 causes the entering air to take an upward course and prevents the entrance of storms.

The parts described will preferably be of wood with the exception of the adjustable extensions and screens. The extensions have a part of an edge 23 turned up to facilitate

moving them to snugly fit within the window-frames.

I claim—

1. In a system of room ventilation, in combination, a window having upper and lower sashes with means for their guiding, a fixed egress-ventilator exterior to the top of the upper sash, and having an outer inclined member for the exclusion of storm elements, an inner vertical member with netting for the exit of air and the exclusion of insects, and secured in manner for non-interference with the operation of the sash and an outer shutter or blind; an ingress-ventilator for the lower sash having a deflector member with adjustable means for securing its ends between the inside moldings and the parting-strips at an angle leading upwardly into the room, joined to a vertical member by a screen which also covers an opening in said vertical member which is provided with adjustable means passing within and lying close to the inside molding and abutted at its top by the lower sash.

2. In a system of ventilation, a window having exterior to its upper part a vertical member with a screened opening joined to an angular member adapted to protect the opening from storms, both members being connected at their ends to adjustable means and by which all parts are secured in place to permit the free operation of the window and an outer cover for the window; and in combination therewith, for the lower part of the window, an angular member inclined upwardly and inwardly with adjustable end means to secure it snugly to the window, and a vertical member having a screened opening, flexibly joined to the angular member and having adjustable means at its ends to secure it snugly to the window.

In testimony whereof I affix my signature in presence of two witnesses.

GILBERT S. MYRICK.

Witnesses:

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WILLIAM C. STOEVEER.