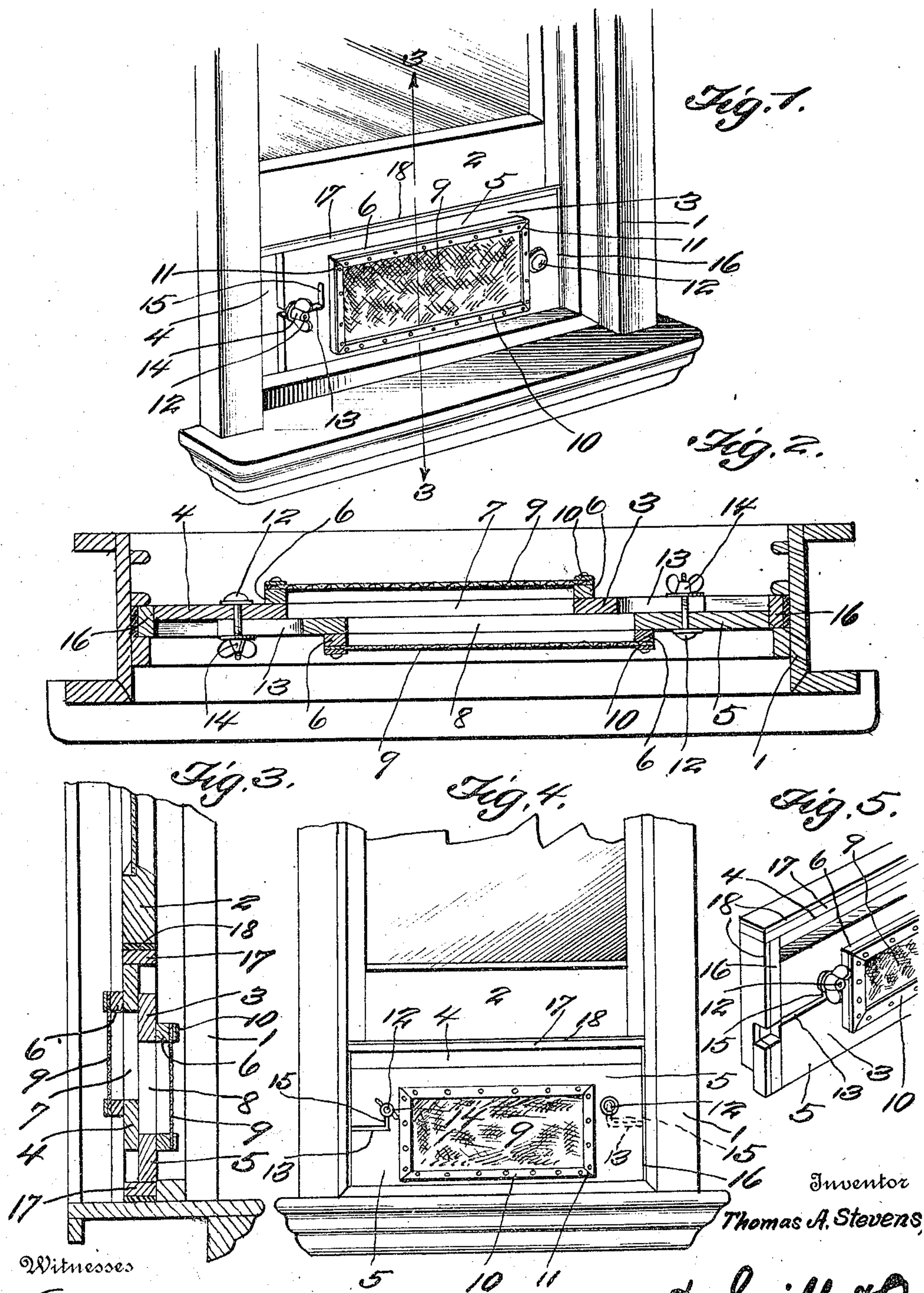


T. A. STEVENS.
 SANITARY WINDOW VENTILATOR.
 APPLICATION FILED JAN. 27, 1911.

996,681.

Patented July 4, 1911.



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UNITED STATES PATENT OFFICE.

THOMAS A. STEVENS, OF CANEY, KANSAS.

SANITARY WINDOW-VENTILATOR.

996,681.

Specification of Letters Patent.

Patented July 4, 1911.

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To all whom it may concern:

Be it known that I, THOMAS A. STEVENS, a citizen of the United States, residing at Caney, in the county of Montgomery and State of Kansas, have invented a new and useful Sanitary Window-Ventilator; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a new and useful ventilator.

The invention in its broadest scope aims as its primary object to provide a novel form of ventilator to be inserted between the sash and the window frame, in order to permit the fresh air to enter.

Another object of the invention is to provide the frames of the ventilator with an area of fabric, such as silk, linen or the like, which will permit the entrance of the fresh air, but will at the same time break the force of the air, in order to obviate a draft.

A further object of the invention is the provision of two members, arranged in slidable relation and extensible horizontally and vertically, so as to adapt the ventilator to windows of various sizes. However, the ventilator is to be made to fit the smallest size window, when the same is not extended in the least.

A further object of the invention is to provide a dead air space between the two ventilator members.

In the drawings, however, there is only disclosed one form of the invention, but in practical fields this form may require certain alterations, to which the applicant is entitled, provided the alterations are comprehended by the appended claims.

The invention comprises further features and combination of parts hereinafter set forth, shown in the drawings and claimed.

In the drawings:—Figure 1 is a view of a portion of a window, with its sash, showing the ventilator device as applied. Fig. 2 is a longitudinal sectional view through the ventilator, showing the means whereby the two members are held in adjusted positions. Fig. 3 is a vertical sectional view on line 3—3 of Fig. 1, illustrating the fact that the two members may be adjusted vertically, so as to fit a large space between the sash and the upper or lower portion of the window frame. Fig. 4 is an enlarged detail view in

elevation of a portion of the ventilator, showing the means for permitting the adjustment of the two slidable members, and the means for holding them adjusted. Fig. 5 is a perspective view of a modification.

Referring to the drawings, 1 designates a window frame, while 2 denotes the sash thereof, both being of the usual construction.

Arranged between the window frame and the sash is the ventilator 3, which comprises the two members 4 and 5, of like construction. The members 4 and 5 are in the form of frames, and upon their outer faces beads 6 are formed. These beads or raised portions surround rectangular elongated openings 7 and 8. Stretched over the openings and secured against the outer faces of the beads are areas of fabric, such as silk linen or the like 9. Strips of molding are provided which are tacked, nailed or otherwise secured to the beads and against the fabric. These strips of molding 10 are mitered in the usual way, as shown at 11. By securing the fabric to the outer faces of the beads and upon the opposite faces of the ventilator members a space of considerable width is afforded between the areas of fabric. The main object for using silk, linen or the like is to break the force of the air, for the reason that the silk or linen is closer woven than the usual fine wire mesh. As the air penetrates either one or the other of the areas of fabric the same reaches the dead air space between the two ventilator members, after which it penetrates the other area of fabric into the interior of the room. By this method the force of the air is considerably broken, thus obviating the possibility of a draft.

Penetrating one end of each of the ventilator members is a thumb screw 12. The shank of each thumb screw extends through an elongated slot 13 of the opposite end of each ventilator member, and upon the threaded end of each screw a wing nut 14 is applied, whereby the ventilator members may be held in adjusted positions. The slots, however, are open ended, so that the ventilator members may be entirely separated without removing the thumb nuts. The slots 13 permit the ventilator members to be adjusted longitudinally, while the offset slots 15 permit the members to be adjusted vertically with regard to one another.

One end of each of the ventilator members is provided with a strip 16, which strips

are designed for the purpose of entirely filling the space between the sash guides of the window frame, whether the ventilator is extended or not. One longitudinal edge of each ventilator is also supplied with a strip 17. The outer faces of the strips 16 and 17 are provided with strips of rubber, felt or the like 18, in order to prevent the entrance of air between the ventilator and the sash or the window frame.

Heretofore there have been ventilators having areas of wire mesh spaced apart and provided with a filler in the space, but as far as the applicant can ascertain, there has never been devised a ventilator comprising two members including areas of fabric, such as silk or linen spaced apart.

It is not the object of this invention to filter the air of particles, such as sand or cinders, as is the case in the ventilators which include the fillers, but it is the object of the invention to break the force of the air and to permit it to become quiet within the dead air space, so as it will pass into the interior of the room, without creating a draft, between the ventilator and the unavoidable opening of some other closure member.

The invention having been set forth, what is claimed as new and useful is:—

1. In a ventilator, a pair of extensible

ventilator members, each having at one end an elongated slot, while the opposite end of each member is provided with a thumb screw including a thumb nut extending through the slot, whereby the members may be held extended horizontally, said slots having adjoining off set slots, whereby the thumb screws may be positioned therein for extending the members vertically.

2. In a ventilator, a pair of extensible ventilator members, each having at one end an elongated slot, while the opposite end of each member is provided with a thumb screw including a thumb nut extending through the slot, whereby the members may be held extended horizontally, said slots having adjoining off set slots, whereby the thumb screws may be positioned therein for extending the members vertically, each of said members having one of its ends and one of its side edges provided with rubber covered strips, said strips being wider than the thickness of the members.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOMAS A. STEVENS.

Witnesses:

T. C. HANSEN,
E. M. STEVENS.