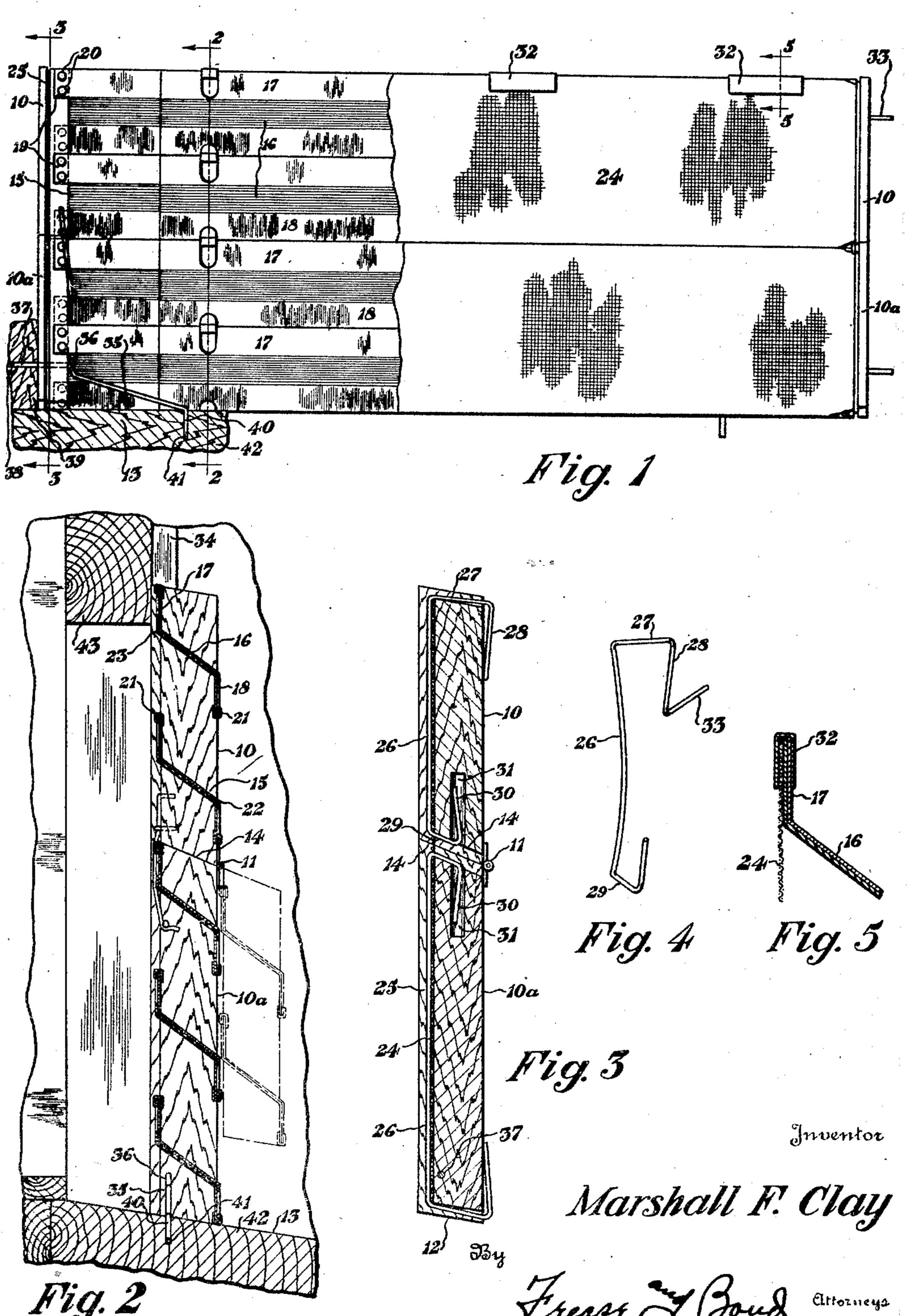
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WINDOW VENTILATOR

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The invention relates to ventilators for windows and the like, and more particularly lator, taken on the line 2-2, Fig. 1; to an adjustable ventilator designed to read-

ily fit windows of various widths.

5 The object of the improvement is to provide a ventilator of very simple and inexpensive construction, comprising a pair of end pieces to each of which is connected a plurality of upon the inside of the ventilator; and 10 being slidably associated with those upon the upper edge of the ventilator, and the atalike so that they are readily interchange- 5-5, Fig. 1. able and may be made by the same die; to Similar numerals refer to similar parts provide a ventilator which may be easily and throughout the drawing. 15 readily adjusted to reduce or increase the The improved ventilator is provided with 20 an increased draft of air through the ventila- night, each end piece may be made up of two attaching a cheesecloth or the like upon the gether as by the hinge 11. inside of the ventilator.

25 tained by forming the ventilator of two wood- order to fit upon the sloping window sill, slat being inclined transversely toward the Fig. 3. outer side of the ventilator and having an A plurality of sheet metal slats, indicated depending flange at its outer edge, the slats end pieces and adapted to be slidably con- 85 35 being so positioned with reference to each nected to each other in order to permit the other that an increased draft of air through ventilator to be adjusted to fit windows of the ventilator will be induced, the end pieces various widths. being preferably provided with hinged joints Each of these slats preferably comprises 40 height to admit more light; springs being clined downward and outward and provided ventilator to prevent dirt and soot from en- flange 18. tering the room.

45 An embodiment of the invention thus set forth in general terms is illustrated in the ac-

companying drawings, in which

Figure 1 is an inside elevation of the improved ventilator, a portion of the cheesetration;

Fig. 2, a vertical section through the venti-

Fig. 3, a vertical section through one of the end pieces, taken substantially on the line 55 3—3, Fig. 1;

Fig. 4, a detached, persective view of one of the springs for attaching the cheesecloth

sheet metal slats, the slats on each end piece Fig. 5, an enlarged, detail section through 60 the other end piece; to form all of the slats taching clip, taken substantially on the line

amount of ventilation and correspondingly end pieces, preferably formed of wood, and decrease or increase the light admitted from in case it is desirable to make the ventilator the window in which the ventilator is placed; adjustable as to height, in order to admit more to provide a slat construction which will cause light during the day and more air during the 70 tor; and to provide simple spring means for sections 10 and 10a, hingedly connected to-

The bottom end of the lower section 10^a is The above and other objects may be at preferably beveled, as indicated at 12, in 75 en end pieces, a plurality of spaced sheet shown at 13. The meeting ends of the upper metal slats being connected at one end to and lower sections of each side piece are prefeach end piece, the slats being all of similar erably correspondingly beveled, as indicated design and each having ears for slidably con- at 14, being inclined downward and out- 80 30 necting the slats of both sides together; each ward toward the hinge, as illustrated in

upturned flange at its inner edge and a similar generally at 15 are connected to each of the

whereby the ventilator may be reduced in the inclined central portion 16 which is in 90 provided upon the end pieces for attaching at its inner edge with the upright flange cheesecloth or the like upon the inside of the 17 and at its outer edge with the depending

> The flanges 17 and 18 may be provided 95 with the ears 19 at the ends adjacent to the end pieces, these ears being connected to the front and back sides of the end pieces as by

nails 20 or the like.

Near the free end of each of the slats, tangs 100 50 cloth being removed for the purpose of illus- 21 are cut from the upper and lower flanges 17 and 18 respectively and bent over and

under the upper and lower edges respec-

the other side piece.

5 by each end piece are slidably connected to upon the top thereof. the slats carried by the other end piece and so arranged that the ventilator may be opened to the maximum and closed to the minimum extent, whereby considerable adjustment of the 10 ventilator is provided for fitting windows of various widths.

pending flange 18 and the corner 22 of the the side of the window frame 39. 15 next lower slat, and also the space between The opposite end of the wire has a down- so the upper edge of each upright flange 17 turned end 40 adapted to be located in an and the corner 23 of the next upper slat, aperture 41 in the window sill 42. are greater than the tranverse width of the ventilator.

By thus having the increased inlet and holding the same in extended position and 83

through the ventilator.

25 cheesecloth or the like for the purpose of sash as best shown in Fig. 2, filtering the air and preventing dust, soot I claim: and the like from passing through the same, 1. A ventilator including upright end 30 tor, after the same has been adjusted to the other end portion of each slat and bent over 95 in which it is to be used.

35 may be provided with a groove around its length. top, bottom and inner sides as indicated at 25.

A spring wire 26 is adapted to be located in this groove and to clamp the cheesecloth

upon the end piece.

As best shown in Fig. 4, this spring wire with the forwardly extending portion 27 and flanges forming ears fixed to opposite sides angularly disposed portion 28 which is in- of the upright end pieces. clined slightly toward the curved body por-45 tion 26.

30 adapted to be seated in a socket 31 formed in the top or bottom of the end piece as the

case may be.

be seen that when the same is placed in po-site sides of the upright end pieces. sition upon the end piece, the inclined por-55 tions 28 and 30 bearing against the front side of the end piece and the inside of the socket 31 respectively, will hold the spring wire flat against the cheesecloth, tightly clamping the same upon the inner side of the end piece.

If desired, U-shaped clips 32 may be placed over the upper edge of the flange 17 of the topmost slat, holding the upper edge of the

cheesecloth against the same.

An angular end 33 may be provided upon 65 the inclined depending portion 28 of the up-

permost wire spring to form a stop for entively, of the flanges of the slats carried by gagement with the parting strip 34 of the window frame when it is desired to tilt the With this construction, the slats carried ventilator inward to rest the window sash

> For the purpose of pivoting the ventilator so that it may be thus tilted, a wire 35 may be provided for pivotally connecting the lower end of each end piece to the window frame.

This wire may have an off-set as at 36 and 75 the substantially horizontally disposed end As best shown in Fig. 2 of the drawings, portion 37 is adapted to be inserted into an the spaces between the lower edge of each de-opening 38 drilled or otherwise provided in

This provides a simple and easy means for attaching the ventilator in the window frame, outlet opening for the air, it has been found providing for the pivotal movement thereof that an induced draft of air is produced in order to tilt the ventilator beneath the bottom of the window sash 43 or in upright If it is desired to cover the ventilator with position, outside of the path of the window

a piece of cheesecloth as indicated at 24 may pieces, a plurality of slats fixed at one end to be placed upon the inner side of the ventila- each end piece, and ears stamped from the proper length to accommodate the window and under the top and bottom edges respectively of corresponding slats upon the other For the purpose of holding this cheesecloth end piece, forming a slidable connection upon the ventilator, each of the end pieces whereby the ventilator may be adjusted in

2. A ventilator including upright end pieces, a plurality of slats, each slat being inclined downward and outward, a depending flange at the outer edge of each slat, an upright flange at the inner edge of each slat, 105 is normally curved and provided at one end and extensions upon the ends of the upright

3. A ventilator including upright end pieces, a plurality of slats, each slat being in- 110 The other end of the wire is bent forwardly clined downward and outward, a depending as at 29 and terminates in the inclined end flange at the outer edge of each slat, an upright flange at the inner edge of each slat, the slats carried by each side piece being slidably connected to the slats carried by the other side 115 Since the body portion of this spring wire piece, and extensions upon the ends of the is normally curved, as shown in Fig. 4, it will upright flanges forming ears fixed to oppo-

4. A ventilator including grooved upright end pieces and slats, a cheesecloth upon one 120 side of the ventilator and spring wires for clamping the end portions of the cheesecloth in said grooves, and having angular portions bent around the upper and lower ends of the

end pieces.

5. A ventilator including grooved upright end pieces and slats, a cheesecloth upon one side of the ventilator and spring wires for clamping the end portions of the cheesecloth in said grooves, and having angular portions 130 1,682,739

5 window frame.

6. A ventilator including end pieces and slats, and a pair of wire members, each have hereunto subscribed my name. ing a horizontal portion adapted to be located MARSHALL F. CLAY.

bent around the upper and lower ends of the end pieces, the upper angular portion of each wire having an outturned end forming a stop gagement with said end piece and a dependfor engagement with the parting strip of a ing portion for engagement in the window