

March 30, 1954

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PLASTIC SNAP-ON WINDOW VENTILATOR

2,673,513

Filed April 25, 1952

Fig. 1.

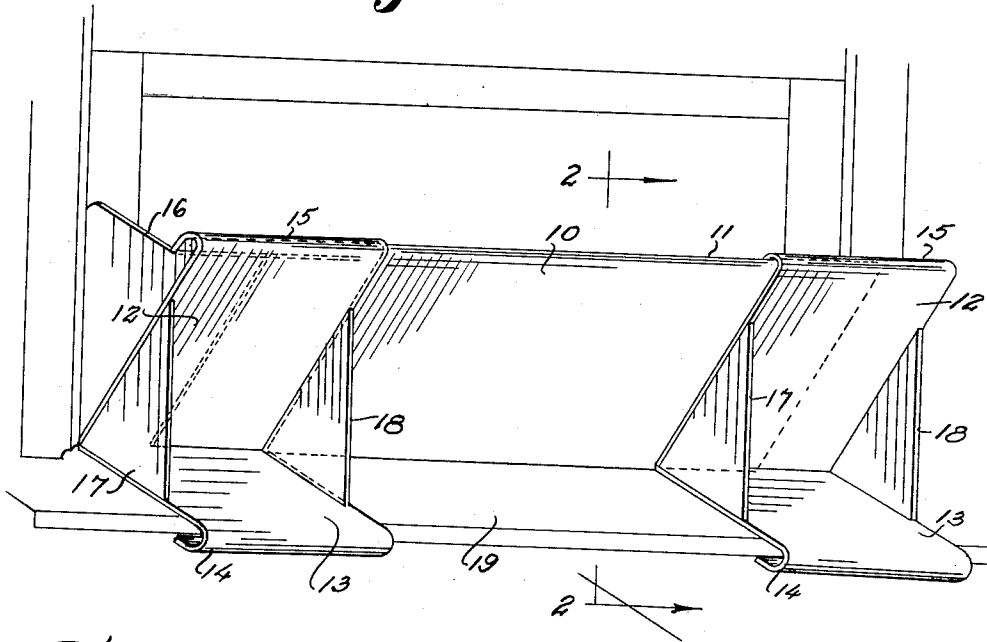


Fig. 2.

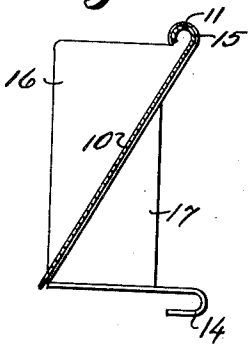
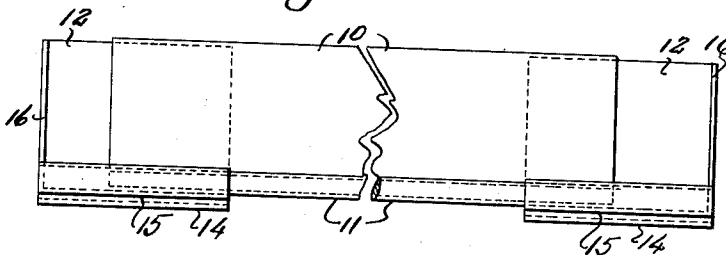


Fig. 3.



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UNITED STATES PATENT OFFICE

2,673,513

PLASTIC SNAP-ON WINDOW VENTILATOR

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Application April 25, 1952, Serial No. 284,296

5 Claims. (Cl. 98—99.1)

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This invention relates to window ventilating checks used primarily on window sills, and in particular a ventilator formed with a continuous inclined plate having a rolled upper edge and retained in position with supporting clips having U-shaped clips on the edges which snap over the edge of a window sill for retaining the parts in position.

The purpose of this invention is to provide a window check or ventilator that is positioned on a window sill without being permanently attached to the window frame.

Various types of ventilators for windows have been used on window sills, however, where these are provided with frames attached by screws to the window frames it is difficult to remove the parts for cleaning. With this thought in mind this invention contemplates a ventilator including a continuous panel and supporting elements with spring clips on the edges whereby with the clips forced over the edge of a window sill the device is frictionally retained in position and may readily be removed and replaced as desired.

The object of this invention is, therefore, to provide means for forming a window ventilator that is adapted to be installed without screws or other fastening elements.

Another object of the invention is to provide a window ventilator that is adapted to be retained in position with friction clips, that is adjustable to windows of different sizes and that is adapted to be used on windows without changing parts of the window frames.

A further object of the invention is to provide an improved window ventilator that is frictionally secured in position on a window sill, which is of a simple and economical construction.

With these and other objects and advantages in view the invention embodies a pair of supporting elements, V-shape in cross section with clips on the ends of the arms, a continuous panel adapted to be secured in said supporting elements, and wings adapted to be secured in the supporting elements, and positioned to extend to meet the vertical rails at the sides of a window frame, with the supporting elements positioned on the sill of the frame.

Other features and advantages of the invention will appear from the following description taken in connection with the drawing, wherein:

Figure 1 is a perspective view illustrating the position of the improved ventilator on a window sill.

Figure 2 is a cross section taken on line 2—2

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of Fig. 1 showing the ventilator with parts of the window frame and sill omitted.

Figure 3 is a plan view of the improved window ventilator with parts broken away.

Referring now to the drawing wherein like reference characters denote corresponding parts the improved window ventilator of this invention includes a continuous panel 10, having a rolled upper edge 11, supporting elements having webs 12 extended upwardly from bases 13 with spring clips 14 on extended edges of the bases and with rolls 15 on the upper edges of the webs and positioned to receive the roll on the upper edge of the panel 10, and wings 16 extended from the edges of the webs 12 and positioned to close triangular shaped areas between the ventilator and vertical rails of a window frame upon the sill of which the ventilator is positioned.

The base sections 13 of the supporting elements are in a common plane with the parts assembled whereby the bases are adapted to be positioned upon a window sill and the upwardly extended webs 12 of said elements are also positioned in a common plane whereby the panel 10 is adapted to rest upon upper surfaces of the inclined sections with the rolled upper edge 11 telescoping in the rolls 15.

The supporting elements are reinforced with triangular shaped gusset plates 17 and 18, and as illustrated in the drawing, with the base of each of the supporting elements positioned on a window sill, as indicated by the numeral 19 the clips 14 at the outer edges of the bases frictionally hold the supporting elements on the window sill.

It will be understood that the parts may be made of plastic, metal, or other suitable material and with the roll 11 on the upper edge of the panel 10 nested in the roll 15 of the supporting elements the parts are frictionally held in assembled relation and also frictionally mounted upon a window sill. By this means the ventilator may readily be removed from the window sill and the parts taken apart for cleaning.

It will be understood that modifications within the scope of the appended claims may be made in the design and arrangement of the parts without departing from the spirit of the invention.

What is claimed is:

1. A window ventilator comprising aligned V-shape supporting elements having base sections with clips on extended ends thereof and inclined upper sections with rolled upper edges, said inclined upper sections being in a common plane

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and a continuous panel extended between and supported by said V-shape elements.

2. A window ventilator comprising alined substantially V-shape elements having horizontally disposed bases with spring clips on extended ends thereof and upwardly inclined webs the base and upwardly inclined web of one supporting element being in the same plane with the base and upwardly inclined web of the other element, and a panel extended between said V-shape elements, said V-shape elements having means for frictionally retaining the panel in position.

3. A window ventilator comprising a pair of alined supporting elements having bases with spring clips on extended edges and having upwardly inclined webs with rolled upper edges, the base and upwardly inclined web of one supporting element being in the same plane with the base and upwardly inclined web of the other element and a panel having a rolled upper edge positioned with ends thereof against the inclined webs of the supporting elements and with the rolled upper edge thereof telescoping in the rolled upper edges of the inclined webs.

4. A window ventilator comprising a pair of alined supporting elements having bases with spring clips on extended edges and having upwardly inclined webs with rolled upper edges, the base and upwardly inclined web of one supporting element being in the same plane with the base and upwardly inclined web of the other ele-

ment and a panel having a rolled upper edge positioned with ends thereof against the inclined webs of the supporting elements and with the rolled upper edge thereof telescoping in the rolled upper edges of the inclined webs, said supporting elements having reinforcing plates in the ends thereof.

5. A window ventilator comprising a pair of alined supporting elements having bases with spring clips on extended edges and having upwardly inclined webs with rolled upper edges, the base and upwardly inclined web of one supporting element being in the same plane with the base and upwardly inclined web of the other element and a panel having a rolled upper edge positioned with ends thereof against the inclined webs of the supporting elements and with the rolled upper edge thereof telescoping in the rolled upper edges of the inclined webs, said supporting elements having reinforcing plates in the ends thereof, and triangular-shaped wings extended from one of the ends thereof.

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