Jan. 6, 1953 W. LUKASAVICZ 2,624,402

WINDOW VENTILATOR

Filed Feb. 15, 1952

Fig 1

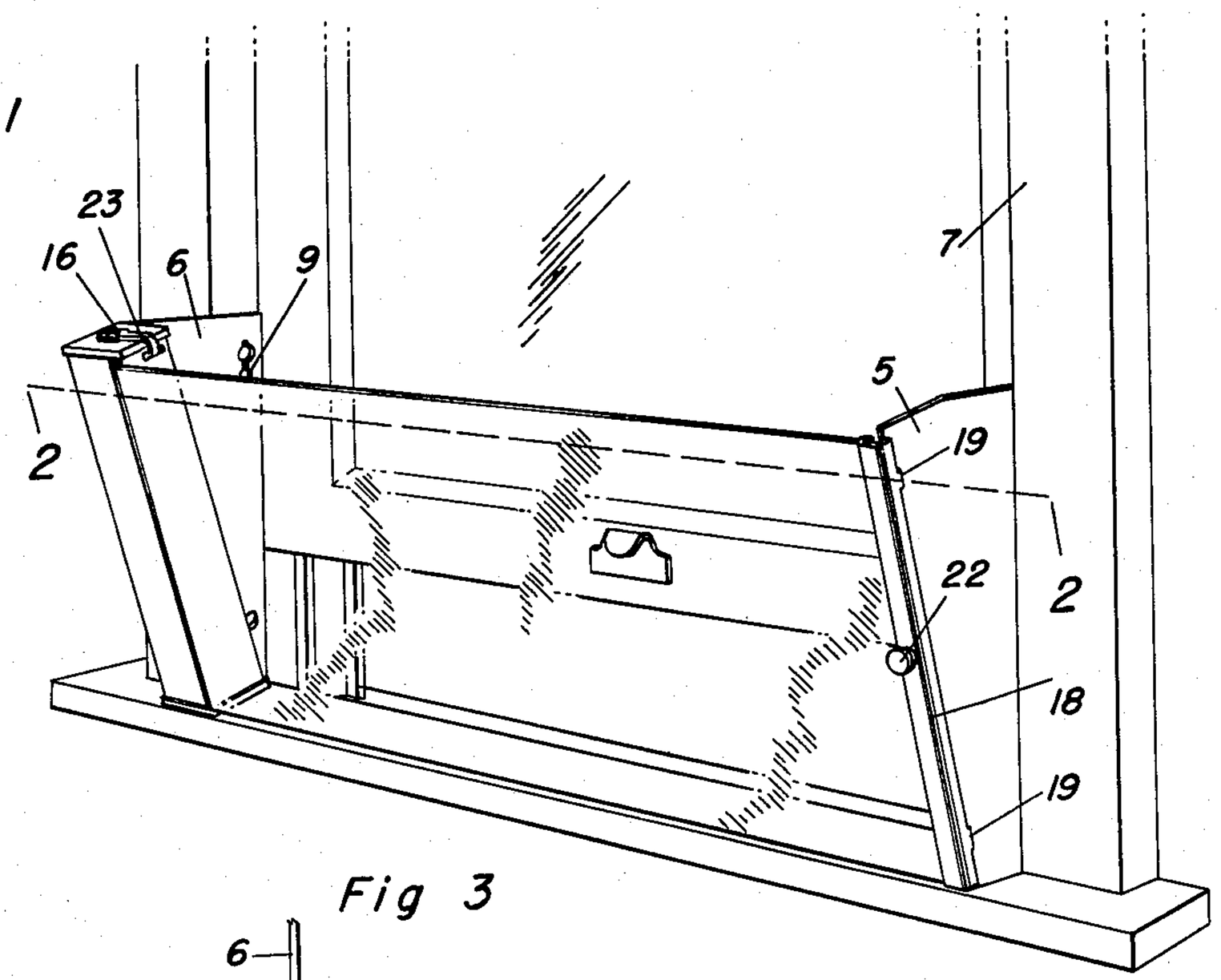
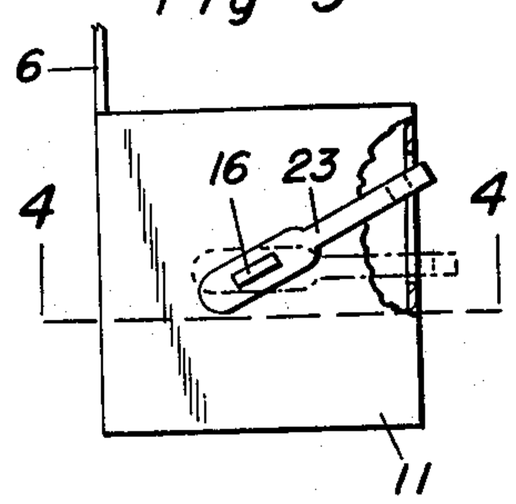


Fig 3



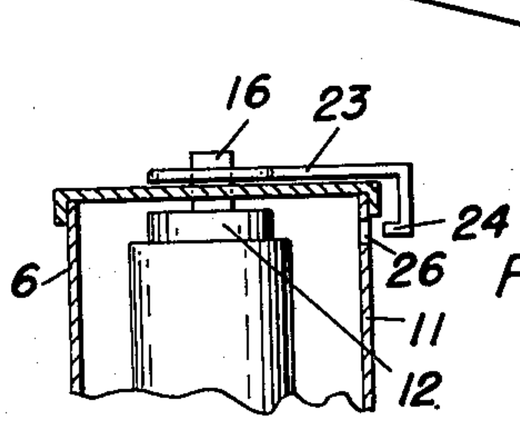


Fig 4

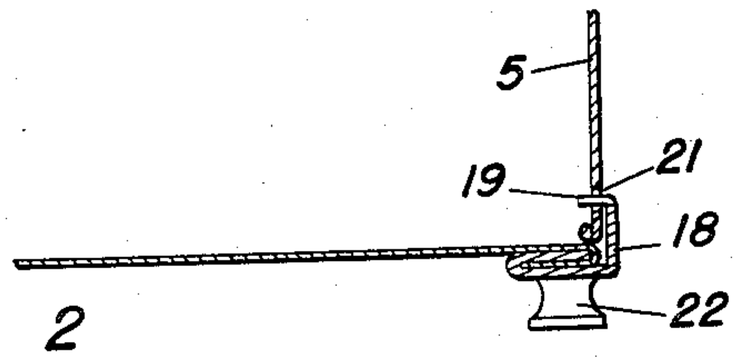


Fig 2

INVENTOR.
Walter Lukasavics

BY

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WINDOW VENTILATOR

Walter Lukasavicz, San Francisco, Calif.

Application February 15, 1952, Serial No. 271,720

1 Claim. (Cl. 160—23)

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This invention relates to improvements in window ventilators.

The principal object of this invention is to provide a ventilator which will fit windows of different widths up to the limit of its capacity.

A further object is to produce a device of this character which may be readily attached to the sides of a window frame without the use of tools after the retaining screws have been once placed.

A further object is to produce a device of this character which is neat in appearance, easy to install and economical to manufacture.

A further object is to provide means whereby the tension on the web may be readily changed to accommodate various widths of windows.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification and in which like numbers are employed to designate like parts throughout the same.

Fig. 1 is a prospective view of my ventilator as the same will appear when in use;

Fig. 2 is a broken cross-sectional view taken on the line 2—2 of Fig. 1 and on an enlarged scale;

Fig. 3 is a top plan view on a reduced scale of the roll holder;

Fig. 4 is a fragmentary detailed view, partly in cross section, taken on the line 4—4 of Fig. 3.

Many persons are accustomed to opening a window at the bottom in order to secure ventilation. This opening of the window causes objectionable drafts and therefore it has been the practice to provide glass shields which are secured to the window frames by brackets which divert the incoming air in an upward direction, thus to some extent eliminating cross currents in the room.

These window ventilators heretofore had to be made to fit each window and were not expansible to accommodate windows of different sizes. Also, they required a great deal of storage space when on the store shelf, or in shipping, or when stored at home.

Applicant has therefore devised a window ventilator where a web portion is formed of a flexible material mounted upon a spring roller so that when the same is released it can be housed in a relatively small casing.

Referring to the drawings, the numerals 5 and 6 designate end plates which are secured to the window frame 7 on opposite sides thereof through the medium of screws 8 which pass through keyhole slots 9. This arrangement permits the plates

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5 and 6 to be secured to or removed from the window frame when desired.

The plate 6 carries a housing 11 in which is mounted a roller 12 having spring 13 and a tension block 14 in the top of which is secured a flattened pin 16 through the medium of which the tension block 14 and spring 14 may be wound.

This construction is common in all shade rollers and needs no further description.

Secured to the roller 12 is an impervious web 17 which may be made of any desirable material such as plastic, the free end of which has attached thereto an angular holding strip 18 having projections 19 which are adapted to enter slots 21 formed in the plate 5. A knob 22 facilitates the handling of the strip 18 in pulling the web across the window opening.

Referring to Figs. 3 and 4, it will be noted that I have provided a slotted arm 23 which has one end fitting over the pin 16 and has its opposite end bent downwardly and inwardly as shown in Fig. 4, the inwardly bent end 24 being in alignment with the slot 26 formed in the casing 11. As a result, by moving the lever 23 to the dotted line position of Fig. 3 and lifting the lever upwardly and then rotating the same, the tension in the spring 13 may be increased or released and then by returning the lever to the position shown in Fig. 4 and releasing the same, the inturned end 24 will move to the full line position in Fig. 3 and become secured in the slot 26.

The result of this construction is then when the plates 5 and 6 are secured in place and the knob 22 is grasped and moved toward the opposite side of the window opening, the web will be withdrawn from the roller and when the projections 19 are engaged in their slots 21, then the material will be held taut across the window opening so as to act as a ventilator-deflector, and that it will perform all the objects above set forth.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that various changes relative to the material, size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described by invention, I claim:

A window ventilator comprising a pair of tapered spaced end plates, a housing secured to one of said plate, a spring roller rotatably secured in said housing and having spring tension means extending through said housing, a flexible web secured at one end of said roller, a holding strip

secured to the opposite end of said web, and adapted to engage the other of said plates whereby the lower edge of said web will engage the sill of a window to form therewith, together with said end plates, a draft deflector when said screen is extended between said plates.

WALTER LUKASAVICZ.

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