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 COMBINED DRAFTLESS WINDOW VENTILATOR AND SHADE AND CURTAIN PROTECTOR.
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1,027,015.

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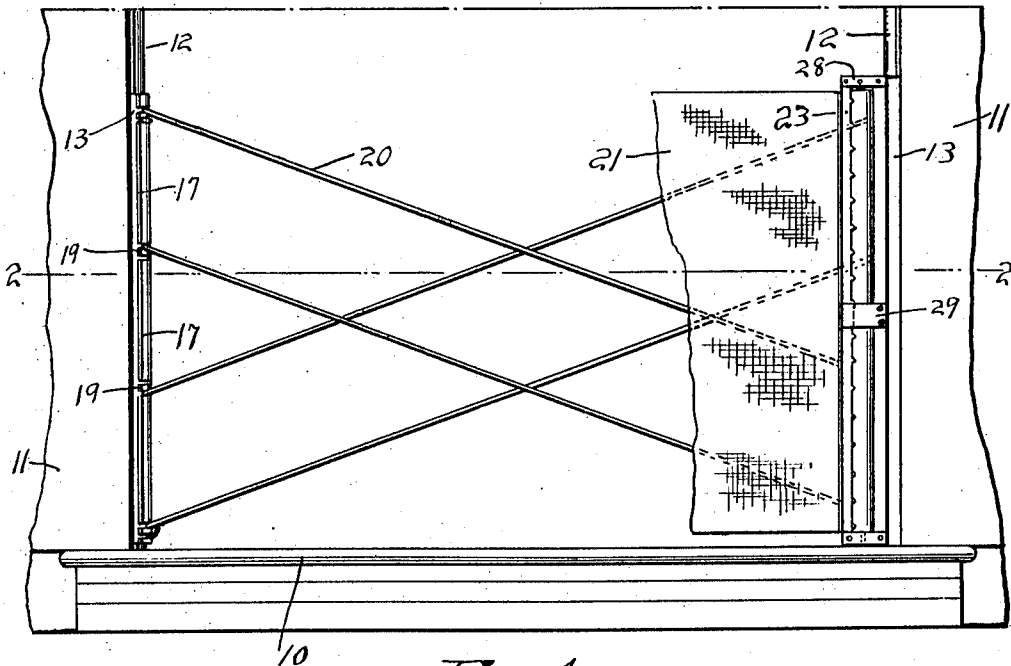


Fig. 1.

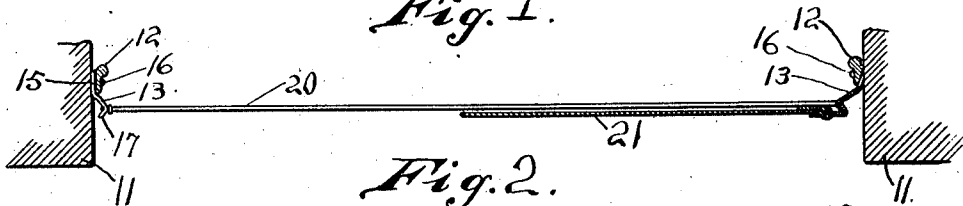
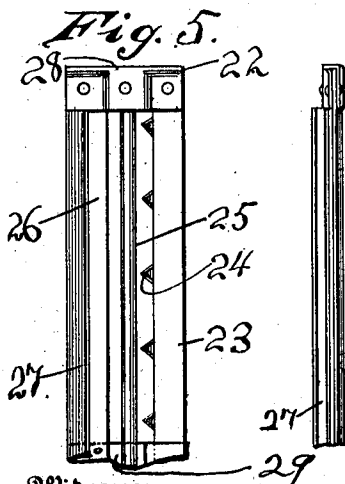


Fig. 2.



Witnesses

Joe P. Mahler.
 Logan S. Gair

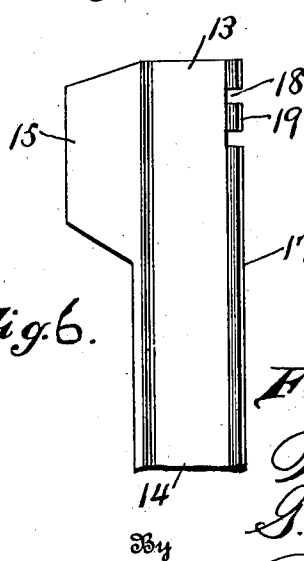


Fig. 6.

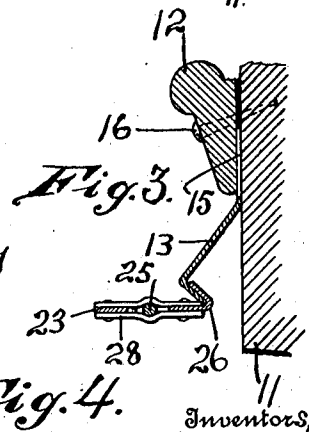


Fig. 3.

Fig. 4.

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UNITED STATES PATENT OFFICE.

GEORGE VAN VERST AND MORTIMER A. SOOY, OF HOLLAND, MICHIGAN.

COMBINED DRAFTLESS WINDOW-VENTILATOR AND SHADE AND CURTAIN PROTECTOR.

1,027,015.

Specification of Letters Patent.

Patented May 21, 1912.

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To all whom it may concern:

Be it known that we, GEORGE VAN VERST and MORTIMER A. SOOY, citizens of the United States, and residing at Holland city, in the county of Ottawa and State of Michigan, have invented certain new and useful Improvements in Combined Draftless Window-Ventilators and Shade and Curtain Protectors, of which the following is a specification.

This invention relates to improvements in a combined draftless window ventilator and shade and curtain protector.

An object of the invention is the provision of members easily secured at any desired point to a window frame without the aid of securing devices and constituting a mounting for cross members adapted to prevent an outward movement of a shade or curtain employed with the window.

A further object of the invention is the provision of an easily attached removable draft-preventing device mounted with sufficient strength to any desired point upon a window.

In the present invention a device for accomplishing the above objects is combined in a simple mechanism which although strong and efficient for the use desired, is easily and cheaply manufactured.

With these objects in view and others that will appear as the nature of the invention is better understood, the same consists in the novel combination and arrangement of parts hereinafter fully set forth and illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings forming a part of this application and in which like numerals of reference designate corresponding parts throughout the several views: Figure 1 is a front elevation of a portion of a window structure having the invention applied thereto, a portion thereof being broken away. Fig. 2 is a transverse sectional view taken upon line 2—2 of Fig. 1. Fig. 3 is a detail view showing the manner of securing the device to the window structure. Fig. 4 is a detail view of one end portion of the foundation strip employed. Fig. 5 is a front elevation of a portion of the buckle member, and, Fig. 6 is a side view of the latter.

Referring in detail to the drawings, the window structure of usual form is illustrated with the window sill 10, side casings 11, and weather strips or window stops 12 and the application of the combined invention thereto will be hereinafter specifically described.

Foundation strips 13 of any desired length are employed to which certain elements are adapted to be hung or engaged in hooked relation. These parting strips are formed with a body-portion 14 of equal width throughout and a plurality of projecting side flanges or wedge-members 15 in any desired number positioned angularly with respect thereto and adapted to be forced by pressure beneath the weather strips 12 and between the same and the window casings 11, the spacing of said wedge-members apart allowing for their insertion at intermediate points between the usual hold-fast devices 16 by which the said weather strips are secured to the window casing, no matter what the form of such fastening devices may be. Upon the opposite edge of the body-portion 14 from that provided with the wedge-members 15 is provided a longitudinal flange 17 of equal width throughout and bent up from said body-portion in a direction opposite to the bend of said wedge-shaped members. Slots or cut-out portions 18 are made in this latter flange which thereby form substantially hook members 19 designed for a purpose hereinafter set forth.

The foundation strips and their ready attachment to an ordinary window structure having been heretofore described, it will be seen that with one of said strips 13 placed at opposite points upon the window as shown in Fig. 1, that a lacing member 20 may be readily applied thereto by engagement with the hook members 19 or the intermediate portions of the flange 17. The members 20 may be either a cord or metallic and form substantially bar members of a grating in front of the window and within the building structure and are adapted to prevent the passage of a window curtain or shade through the window. With this structure in view, it is devised to suspend or mount in a stretched position a draft preventing or screen fabric 21 and this is

readily done by first securing to either end of the member 21 an elongated buckle structure 22. The employment of a towel for the screen being often desirable as the most readily accessible fabric, both the buckle members 22 and the securing strips 13 are preferably made of a length calculated to receive and support a fabric of the ordinary width of toweling. Said buckle structure 22 provides one longitudinal edge 23 with inwardly-projecting teeth 24 adapted to engage the towel and the latter is held against the said teeth by a longitudinal central bar member 25 which is secured only at its opposite ends. Opposite to the member 23 is provided a longitudinal strip member 26 having a turned-up portion or flange 27 adapted to be readily hooked over the flange 17, it being noted that the same may be readily applied whether the lacing 20 is in place or not. All the members 23, 25, and 26 are connected at their opposite ends to cross members 28 by which their opposite ends are rigidly held substantially equally spaced apart, while the strip 26 is provided with one or more hooks 29 (only one being shown therein) which slidably receive the toothed strip 23 therein, the said latter strip being formed of thin metal and adapted to slide within the hook 29 both toward and away from the central rod 25. This hook 29 only limited the movement of the strip 23 in a direction away from the bar 25 and prevents its movement in that direction beyond its normal position parallel with the strip member 26.

The complete operation of the device is now believed to be evident both with respect to the function of the lacings 20 and the fabric screen 21, it being noted that one essential part of the invention consists broadly in the specific manner of securing the entire structure to a window frame by use of the wedge-members 15.

This invention although adaptable for many purposes may be employed by transients in lodging houses or travelers for instance, as the entire structure is exceedingly compact and aside from the metal strip members requires only a cord and a towel for complete assembling.

While the forms of the invention herein shown and described are what are believed to be preferable embodiments thereof, the right however is reserved to make changes with respect to form, size and details of construction so long as the same falls within the spirit and scope of the appended claims.

Having thus described our invention and in what manner the same is designed for use, what we claim as new and desire to secure by Letters Patent of the United States is:

1. A device of the class described comprising strip members adapted for detachably mounting upon a window casing, means

carried thereby for securing a screen member, and a lacing structure, the said screen member being independently removable.

2. A device of the class described comprising removable strip members adapted to be secured to a window structure, hook members carried thereby, and lacings suspended from said hook members.

3. A device of the class described comprising removable strip members adapted to be secured to a window structure, hook members carried thereby, lacings suspended from said hook members, and a removable screen member slidably-mounted upon said hook members and in front of said lacings.

4. A device of the class described comprising strip members, wedge-shaped flanges carried upon one edge of each of said members and angularly disposed with respect thereto, a plurality of inwardly bent flanges carried by the other edges of said strip members, and lacings secured to said hook members.

5. A device of the class described comprising strip members, wedge-shaped flanges carried upon one edge of each of said members and angularly disposed with respect thereto, a plurality of inwardly bent flanges carried by the other edges of said strip members, lacings secured to said hook members, buckle members provided with longitudinal flanges adapted to engage said hook members, and a fabric suspended between said buckle members.

6. A device of the class described comprising strip members, wedge-shaped flanges carried upon one edge of each of said members and angularly disposed with respect thereto, a plurality of inwardly bent flanges carried by the other edges of said strip members, lacings secured to said hook members, buckle members of the same length as said strip members, each of said buckle members provided with a hooked flange substantially co-extensive therewith and adapted to engage said hook members outwardly of said lacings, and a fabric screen suspended between said buckle members.

7. A device of the class described comprising strip members, wedging flanges secured to one edge thereof and adapted for reception between a weather strip and window casing, a hook flange provided upon the other edge of said strip members and angularly disposed with respect thereto, buckle members of substantially the same length as said strip members, hook members upon said buckle members and adapted to be mounted upon said strip members, and a fabric screen removably secured within said buckle members.

8. A buckle member comprising end members, a central bar positioned between the latter, a strip at one side of said bar and parallel thereto, teeth provided upon said

strip projecting toward said bar, a marginal strip positioned upon the other side of said bar, and a centrally-positioned clip secured to said marginal strip and adapted
5 to hook over said former strip.

9. A device of the class described comprising strip members adapted to be secured to a window casing, lacings mounted upon said strip members, buckle members adapted
10 to engage said strip members inwardly of

said lacings, and a fabric screen secured to said buckle members inwardly of said lacings.

In testimony whereof we affix our signatures in presence of two witnesses.

GEORGE VAN VERST.

MORTIMER A. SOOY.

Witnesses:

CORNELIUS VANDER MEULEN,

CORNELIUS DE KEYZER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
