Dec. 15, 1931. H. W. MEYER 1,836,611

STORM SASH VENTILATING DEVICE

Filed Feb. 20, 1930

Fig. 1.

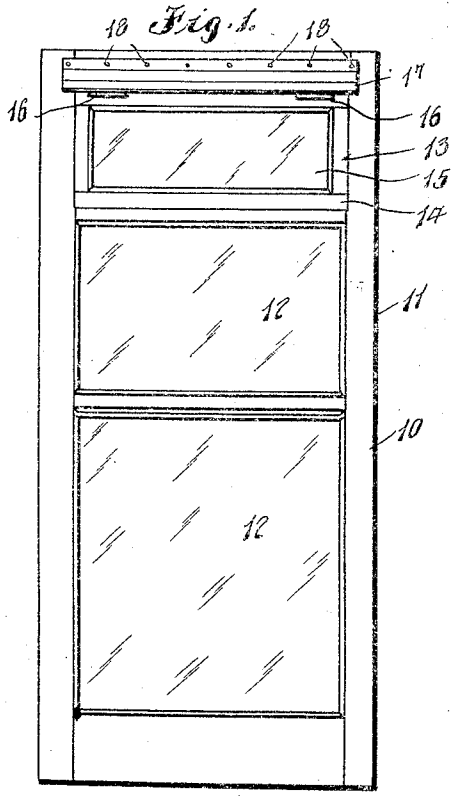


Fig. 2.

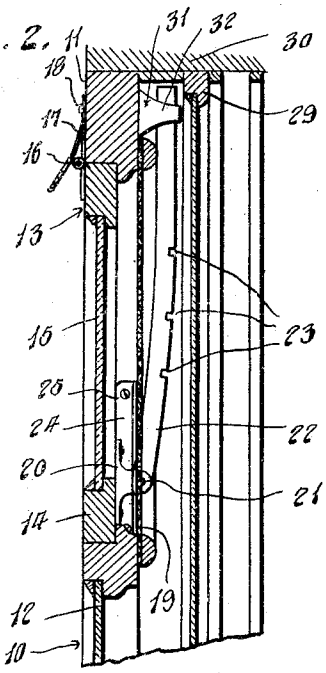


Fig. 3.

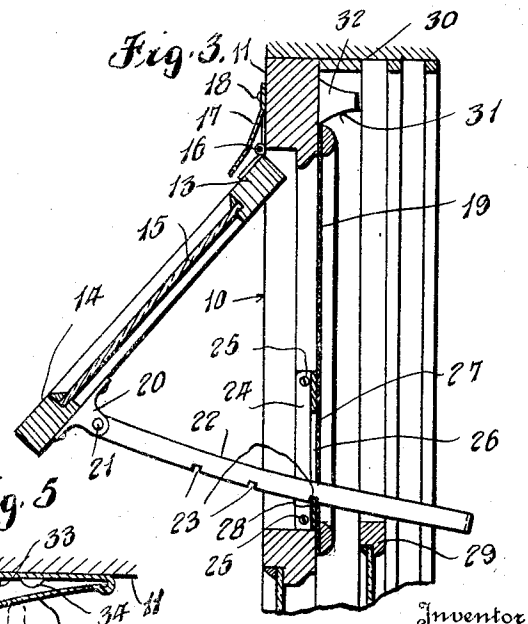


Fig. 4

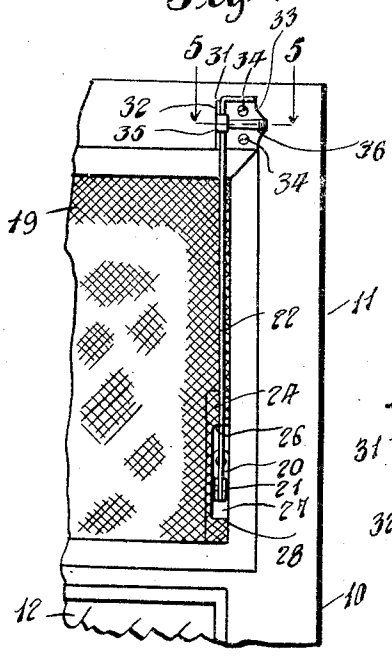
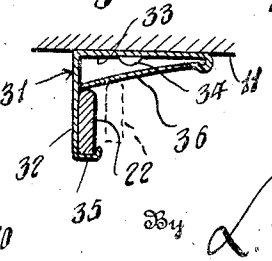


Fig. 5



Inventor

H. W. Meyer.

By L. F. Randolph Jr.

Attorney

Patented Dec. 15, 1931 1,836,611

UNITED STATES PATENT OFFICE

HERBERT W. MEYER, OF NORTH FOND DU LAC, WISCONSIN

STORM SASH VENTILATING DEVICE

Application filed February 20, 1930. Serial No. 429,993.

This invention relates to a storm sash ventilating device and particularly to the means whereby the same may be held in closed or adjusted position.

It is aimed primarily to provide a novel construction of such fastening which will enable the same to be securely held at all times against rattling and which will guide the locking bar into locking position incidental to closing of the ventilating sash.

Additional objects and advantages will become apparent from a consideration of the description following taken in connection with accompanying drawings illustrating an operative embodiment.

In said drawings:—

Figure 1 is a view of the device in front elevation,

Figure 2 is a fragmentary longitudinal sectional view,

Figure 3 is a view similar to Figure 2 but showing the storm sash in open position,

Figure 4 is an enlarged fragmentary interior view, and

Figure 5 is a detail cross sectional view taken on the line 5—5 of Figure 4.

Referring specifically to the drawings, 10 designates a storm sash which may be of conventional construction having a frame 11 and one or more glass panels as at 12. The frame also provides a space in which a ventilating sash 13 is normally disposed and which sash is movable to expose the opening for ventilation purposes as shown in Figure 3. The sash 13 comprises a wooden or other frame 14, and carries a glass or other panel at 15. Said ventilating sash is hinged as at 16, on a horizontal axis to the frame 11. Across the hinges 16 a water-shedding guard plate 17 is disposed, the same being securely fastened as at 18 to the frame 11 above the hinges. This shield 17 may be of copper, brass or any material desired.

Fastened to the frame 11 at the interior thereof so as to cover the opening which is exposable by the ventilating sash 13, is a sheet of wire gauze or screen material 19, which may be of any material desired, for instance fabric, copper or other metal.

Fastened to the frame 14 at the inner side thereof is a bracket 20 to which is pivoted at 21, a locking bar 22 having notches 23 in its lower edges.

Suitably fastened at one side of the frame 11 is a guide and latching bracket 24, screws 25 for instance being used to secure it in place. Such bracket has a vertical slot 26 and the adjacent portion of screen 19 is cut away at 27 in order to accommodate the movement and positioning of the locking bar 22. By means of notches 23, the bar is engageable with a lower blade portion 28 of bracket 24 as shown in Figure 3.

When the auxiliary sash 13 is closed, the locking bar 22 is substantially vertical as shown in Figure 2 and it will be noted that the same is accommodated entirely without the vertically slidable upper sash 29 as mounted in the conventional window frame 30.

In such locked or closed condition of Figures 2 and 4, the free end of the bar 22 engages a holder 31 which is generally of L-shape in order to provide arms 32 and 33, the latter being screwed as at 34 to the frame 11 and the former having a hook 35 at its forward edge which is engaged by the bar 22. The arm 33 is returned upon itself to provide a resilient guide arm 36.

The pivotal connection 21 will enable slight lateral play of the bar 22 and when the same is moved to closed position, it will strike the arm 34 as shown in dotted lines in Figure 5, pressing the latter inwardly and guiding the same laterally against the arm 32, whereupon it is released and the resilient action of the depressed arm or bar 36 forces it forward behind the hook 35 so that it will be engaged and held securely as in Figure 5.

Various changes may be resorted to provided they fall within the spirit and scope of the invention.

I claim as my invention:—

A one-piece article of the class described comprising an outwardly extending arm terminating in a hook, an attaching arm extending at an angle from the first mentioned arm and on the same side as said hook, a resilient arm returned over the attaching arm, said resilient arm being engageable and depressi-

ble by movement of a fastening in one direction so that the latter may move against the first mentioned arm and be urged by the resilient arm in a direction at an angle to the first direction into engagement with the hook.

In testimony whereof I affix my signature.

HERBERT W. MEYER.