Sept. 14, 1937. N. E. MacDONALD 2,093,314

WINDOW SCREENING DEVICE

Filed May 14, 1936

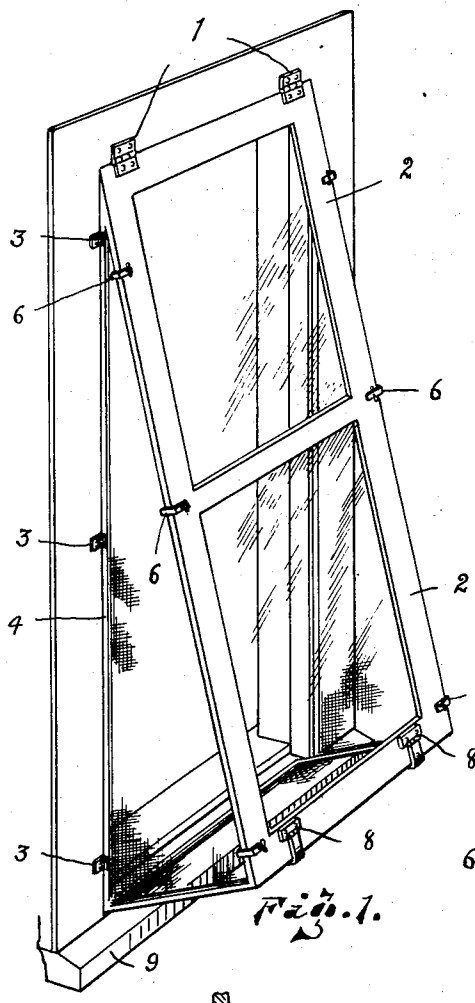


Fig. 1.

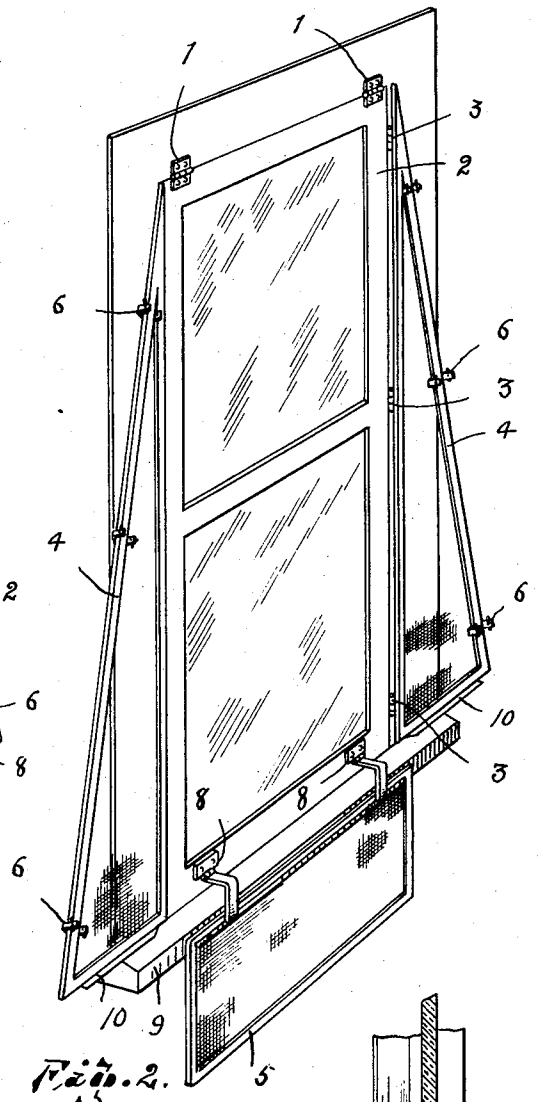


Fig. 2.

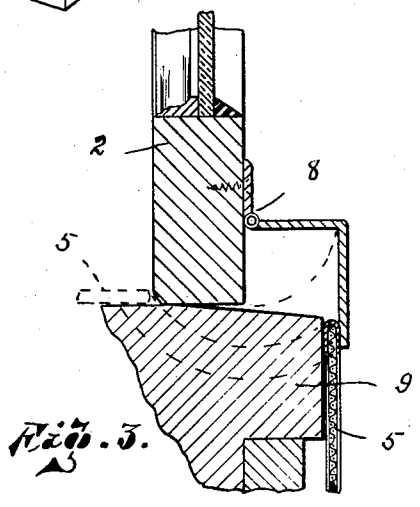


Fig. 3.

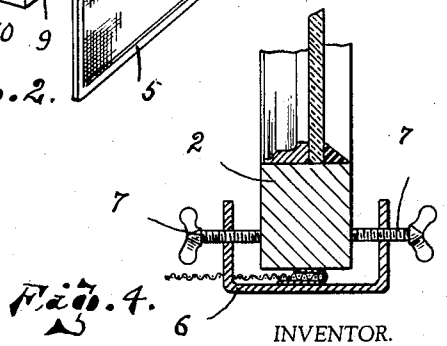


Fig. 4.

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WINDOW SCREENING DEVICE

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2 Claims. (Cl. 156—14)

This invention relates to window ventilating and screening devices and has special reference to such a device in combination with the use of storm windows.

The principal object is to provide convenient means in connection with storm windows to permit of the latter being opened a predetermined distance and protecting such opening against insects or the like passing therethrough.

Another object is to provide convenient means of this type whereby when the storm sash is opened a predetermined distance a convenient receptacle is formed for the holding of household commodities such as victuals or the like free from insect contamination and yet provide adequate air circulation about same.

Other objects and advantages of the invention will appear in the following description thereof.

Referring now to the accompanying drawing, forming part of this application, and wherein like reference characters indicate like parts:

Figure 1 is a perspective view of a window opening equipped with a hinged storm sash in opened position and associated with one modification of the invention.

Figure 2 is a similar view of a like opening with the storm sash closed and the other elements of the invention in inoperative position.

Figure 3 is an enlarged sectional view through the lower rail of the storm sash and the adjacent window sill as well as of the brackets which hingedly support the shelf like portion of the screening mechanism.

Figure 4 is a section through one of the side stiles of the storm sash and the side screen attachment thereto.

Referring now in detail to the structure illustrated there is shown an ordinary rectangularly shaped window opening with the usual window trim and sill associated therewith, and into this opening is suspended as by the common hinges 1 the ordinary glazed storm sash 2. In Figure 1 the storm sash is shown in opened position, while in Figure 2 it is closed. Upon either side of the window opening and externally thereof is hingedly mounted as at 3 the triangularly shaped screen side members 4, they, obviously, being of any desired size and of a shape to properly fit in between the stiles of the storm sash and the edges of the window trim when the storm sash is open. These side members as well as the shelf member 5 are preferably of non-corrosive wire screen fixed within a metal binding such as more clearly shown in Figures 3 and 4, the screen being soldered or spot welded as desired in the binding frame to make them as strong as possible. The outer edges of these side members 4 have fixed thereto the U-shaped clips or holding members 6 which are provided on their opposite inwardly projecting portions with the thumb screws 7, obviously adjustable in or out, to be readily attached as by clamping to the side stiles of the storm sash 2. This adjustability of the clamping members is to provide for any thickness of the storm sash.

The shelf like portion 5 of the screen member is of like construction to that of the side members, though may be an impervious shelf if desired, and is hingedly suspended as at 8 to the lower rail of the storm sash. The hinges are so constructed as to support the shelf in vertical position against the face of the window sill 9 when the storm sash is in closed position as clearly shown in Figure 3 of the drawing, and at the same time properly accommodate the shelf when extended inwardly with its free edge resting on the window sill when the storm sash is open.

To the lower end of each side member 4 a flange like projection indicated at 10 is fixed for the reception of the shelf 5 when the storm sash is in open position, and which shelf is brought up above a level with the lower edge of said side members, and when the latter are brought into position against the storm sash the shelf is held upon the flange-like projections 10 as well as the innermost edge of the shelf 5 resting upon the upper face of the sill of the window.

From the foregoing it is obvious that when the storm sash is swung outwardly and the shelf 5 raised so that the inner free edge rests on the upper face of the window sill, and the side members 4 swung inwardly and clamped to the side stiles of the storm sash, a rectangularly shaped compartment is thus formed, screened upon opposite sides as well as bottom, and with a glazed exterior, accessible from the interior of the building, and in an ideal manner for the purpose described.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

1. The combination with a window frame and storm sash therefor hingedly supported from the upper edge of said frame, and pervious side walls hinged to the side walls of said frame and engageable with the stiles of said storm sash, of a shelf-like member hingedly carried upon the lower rail of said storm sash and engageable with the lower ends of said pervious side members when the storm sash is open.

2. In combination a window frame and swingable storm sash therefor, swingable triangularly shaped screen members attached to the sides of said frame and cooperatively attachable to said storm sash when open, and a shelf-like member swingably carried by the lower end of said storm sash and cooperatively engageable with said side screen members when said sash is open, the attachment of the outer edges of the side members and the storm sash being selectively adjustable in respect to the thickness of said storm sash.

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