

July 15, 1969

C. D. FOURNIER
COMBINATION WINDOW

3,455,060

Filed March 23, 1967

3 Sheets-Sheet 1

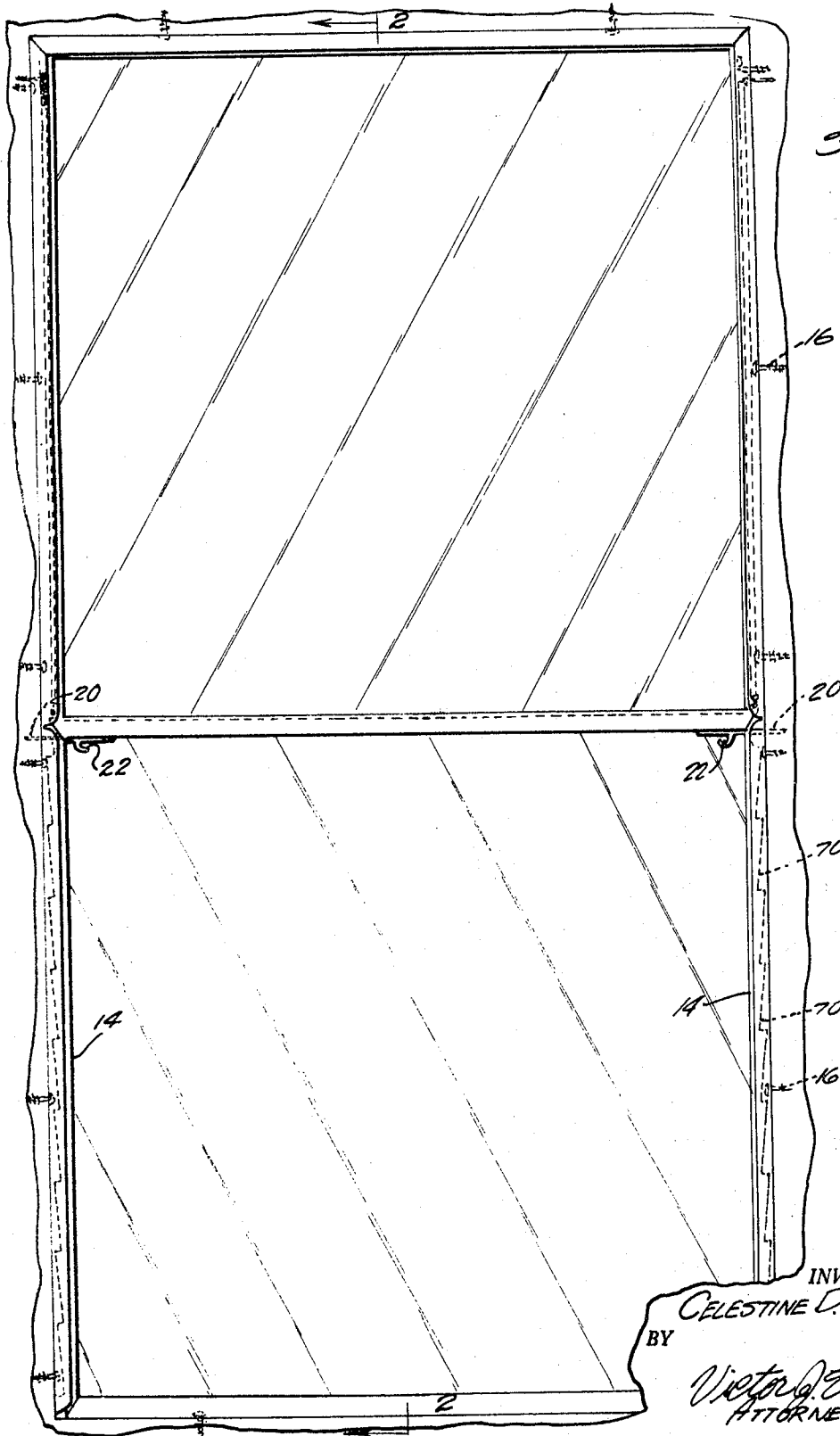


Fig. 1.

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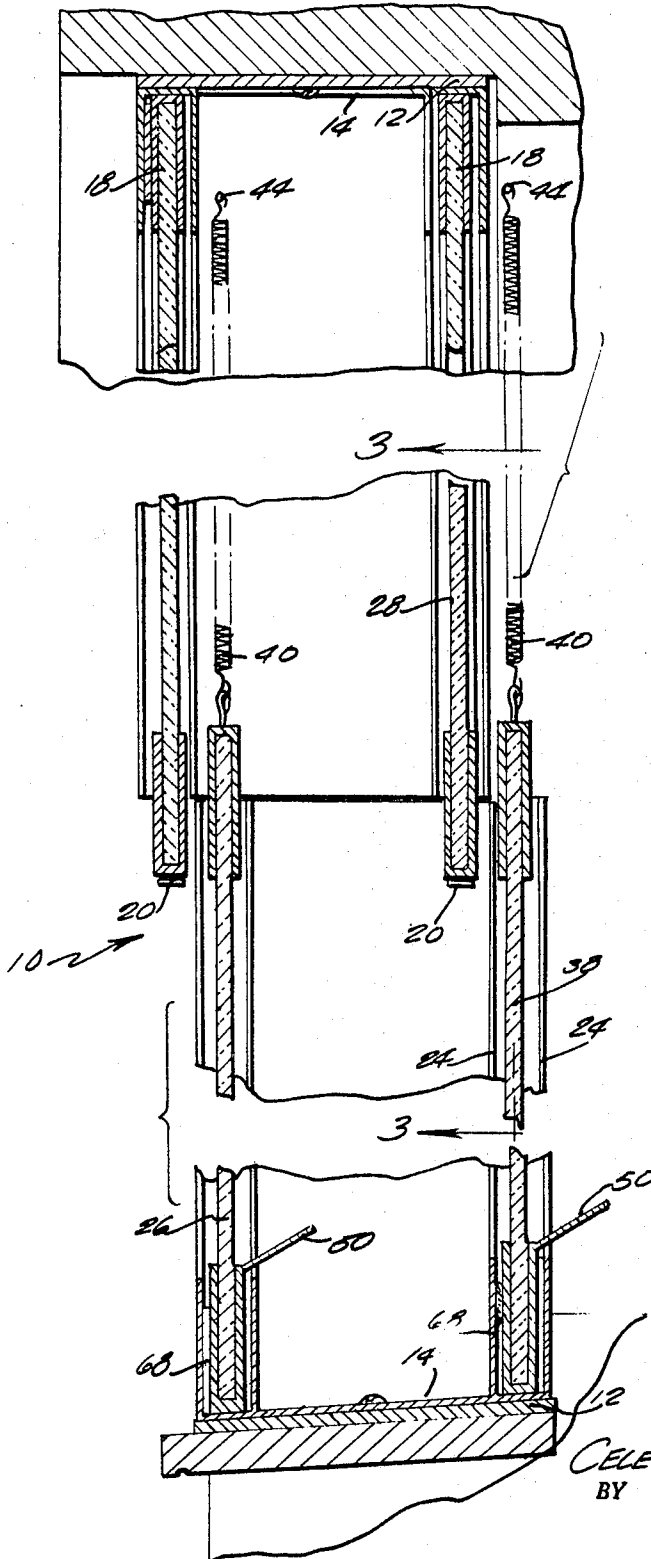


Fig. 2

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3 Sheets-Sheet 3

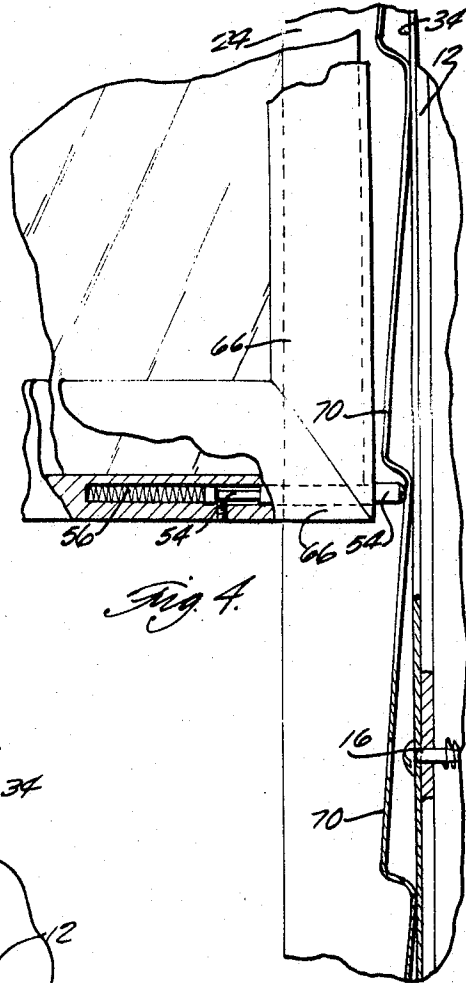


Fig. 4.

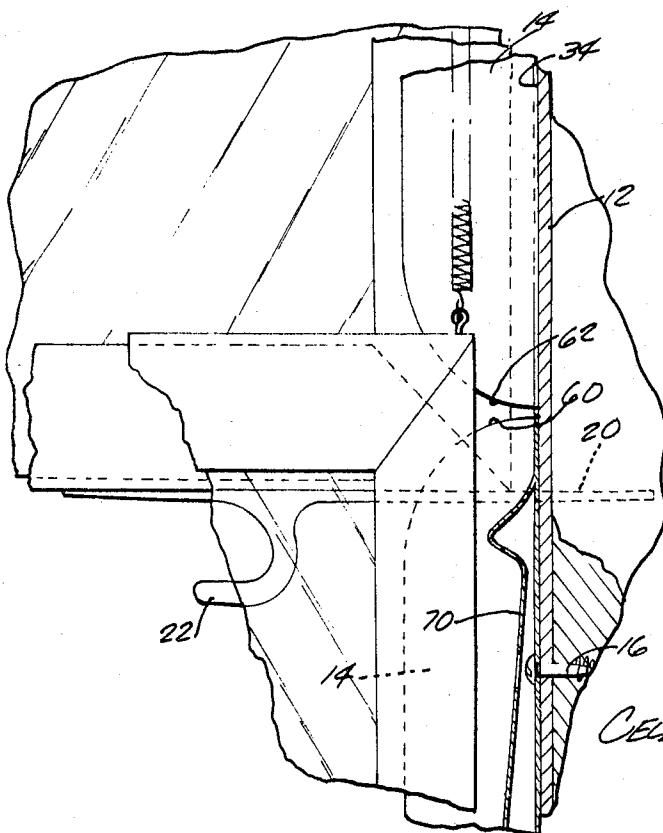


Fig. 3.

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COMBINATION WINDOW

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U.S. Cl. 49-445

1 Claim

ABSTRACT OF THE DISCLOSURE

The combination window which is a sash window for insulation and use in a wooden frame building for insertion and installation as a new combination storm and sash window for installation in existing buildings.

The present invention relates to a combination storm and sash window for installation and use in a wooden frame building which has been newly constructed, or for insertion and installation as a new combination storm and sash window for installation in existing buildings.

The above and other objects and advantages of the invention will become apparent upon full consideration of the following detailed description and accompanying drawings which:

FIGURE 1 is a broken away front elevation view of exterior of combination window and screen of a preferred embodiment of the invention.

FIGURE 2 is an enlarged and cross-sectional view of the combination taken along lines 2-2 of FIGURE 1.

FIGURE 3 is a further enlarged cross-sectional view taken along lines 3-3 of FIGURE 2.

FIGURE 4 is a view corresponding in part to FIGURE 3, but in which the details of a holding means are shown.

Referring now to the drawings, there is shown a wooden window frame 10 of rectangular proportions, the size of the wooden frame adapted to fit within a window opening in a new or renovated house, and in which there is installed along the periphery of the rectangular frame and adjacent to the window opening a series of weather strips 12, 12, as seen in FIGURES 2, 3 and 4.

Then sash guides 14, 14, shown in FIGURES 1, 2, 3 and 4 are held in place by screws 16, 16, as shown also. The upper exterior sash 18 is set in place and is thus held in place by dowels 20 having a handle or hook engaged member 22 shown in FIGURE 3.

The sash guide 24, 24, shown in FIGURES 2 and 4 is then set in place and the lower exterior sash 26 is also set in place and the upper interior sash 28 is then set in place and is held in place by inserting dowels 20 which engage the wall about the frame as shown in FIGURE 3. The sash guide 24 with its flat piece 34 is then set and the interior sash 38 is then put in place. Springs 40, 40 are respectively connected to lower sashes 26, 38 and to hooks 44, 44 from which the upper extremities of the hooks are suspended.

The sashes 18, 28 will remain stationary by the position of the dowels 20, 20 and can be removed by pulling out the dowels 20, 20. The lower sash 26, 38 can be

raised to a desired height by lifting the sash from the knobs 50.

An upward and side-wise motion being asserted to the knobs will release the pins 54, 54 shown in FIGURE 4 which are held under pressure by the springs 56.

The sash guides 14, 14 are provided with rounded edges 60, 62 along the midheight of the window to allow for easier installation of the sashes. During warm weather seasons, the sashes may be readily removed and replaced with a screen of comparable dimensions.

The sash trim 66, 66 may be made of 26 gauge aluminum and is provided with weather stripping 68, 68, and shown in FIGURE 2 and is fastened to the sash as is shown. The sash trim 66 is made along the edges of a double thick pane of glass forming the sash, the glass being of frameless Crisco 1/16 inch glass. Along the vertical edges of the window frame are window stop units 70, 70 adapted to engage the pins 54 for holding the sash in place.

It may be observed from the description of the proposed storm window and screen window combination which may be adapted for regular and conventional window installations, that the combination storm and regular window assembly provides a construction that is easy to install and does not involve the consumption of time when installing the type of window of the invention compared with installation types of the prior art.

Additional embodiments of the invention in this specification may occur to others and, therefore, it is intended that the scope of the invention be limited only by the appended claims and not by the embodiment described hereinabove. Accordingly now reference should be made to the following claims in determining the full scope of the invention.

What is claimed is:

1. A combination window comprising a wooden window frame of rectangular construction, weatherstripping means secured and tacked around said frame when in place, sash guides mounted by screws on said frame, and by dowels engaging said guides with the upper exterior of said sash springs mounted between hooks of said frame to said lower portion of said guide, upper portion of said sash maintained in place by said dowels, said lower portion of said sash guide being raised and lowered to a desired position, knobs mounted on said lower portion of said guide, pins for selectively released and securing the tension of said springs, said dowels being removable to allow moving of said upper portion of said sash, and said sash guides being removed and replaced by screens which are held in place by said sash guides, said pins and said dowels.

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