

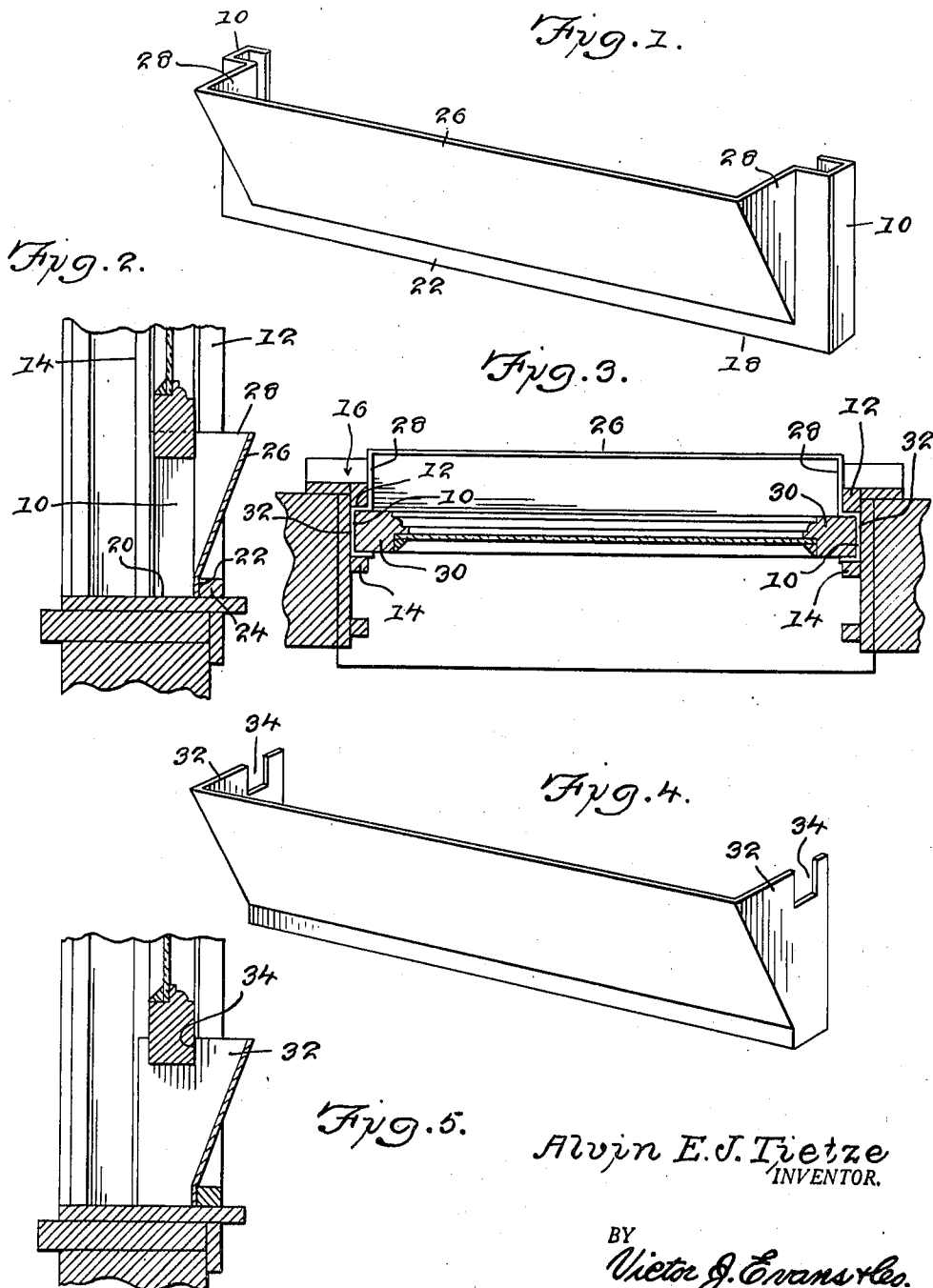
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WINDOW RAIN SHIELD

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WINDOW RAIN SHIELD

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1 Claim. (Cl. 98—99.2)

My invention relates to the ventilation of buildings, and has among its objects and advantages the provision of an improved rain shield applicable to windows of standard construction.

In the accompanying drawing:

Figure 1 is a perspective view of a rain shield in accordance with my invention;

Figure 2 is a cross sectional view of a window sill illustrating my invention applied thereto;

Figure 3 is a horizontal sectional view of a window frame illustrating the rain shield in position;

Figure 4 is a perspective view of a different form of rain shield; and

Figure 5 is a cross sectional view of the window sill illustrating the form of Figure 4 applied thereto.

In the embodiment selected for illustration, the rain shield of Figure 1 may be stamped from thin sheet metal to provide channels 10 contoured to fit between the parting strips 12 and 14 of the usual window frame 16. The lower edge 18 rests on the window sill 20 with the face margin 22 lying against the usual strip 24 on the sill 20.

The rain shield includes a wall or deflector 26 inclined to the vertical and connected with the channels 10 through the medium of end walls 28 which are so located as to fit between the two strips 12. The lower edge of the wall 26 extends down to the margin 22, with the margin sufficiently wide to provide sufficient clearance between the strip 24 and the wall 26. In many windows, there is considerable clearance between the sash rails 30 and the strips 12 and 14, as well as between the faces 32 of the sash rails and the window frame 16. Under such conditions, the sash rails 30 may slide freely in the channels 10 so that the window sash may be adjusted vertically to different positions relatively to the rain shield. The wall 26 is positioned inside the room and constitutes a deflec-

tor for rain which would otherwise be blown into the room. In the event that the sash rails 30 fit tightly inside the frame 16, the window sash may be lowered to an engaging position with the channels 10, which provides ample rain shield protection in most cases. Since the rain shield fits loosely in the window frame, the shield is easily placed in position as well as removed for installation in other windows requiring such protection. While the rain shield fits loosely inside the window frame, the rain shield is held securely in place through its engagement with the window sash.

Figures 4 and 5 illustrate a different form of construction, wherein the channels 10 are eliminated and the end walls 32 are provided with notches 34 into which the lower cross rail of the window sash may be lowered to hold the rain shield in place. In the construction of Figures 4 and 5, the end walls 32 are sufficiently wide to span the strips 12 and 14.

With out further elaboration, the foregoing will so fully illustrate my invention, that others may, by applying current knowledge, readily adapt the same for use under various conditions of service.

I claim:

In a window including a window sash slidable in grooves in a frame, a rain shield of sheet metal comprising a flat elongated rectangular deflecting wall, a relatively narrow strip formed integral with the bottom edge of said wall and extending therefrom at an obtuse angle, and an end wall formed integral with each end of the deflecting wall and the strip, each end wall extending at a right angle to the deflecting wall and strip and across the sash groove at each side of the window frame and having a rectangular cutout in its top edge and spaced inwardly of the outer end thereof for snug engagement about the lower rail of the sash.

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