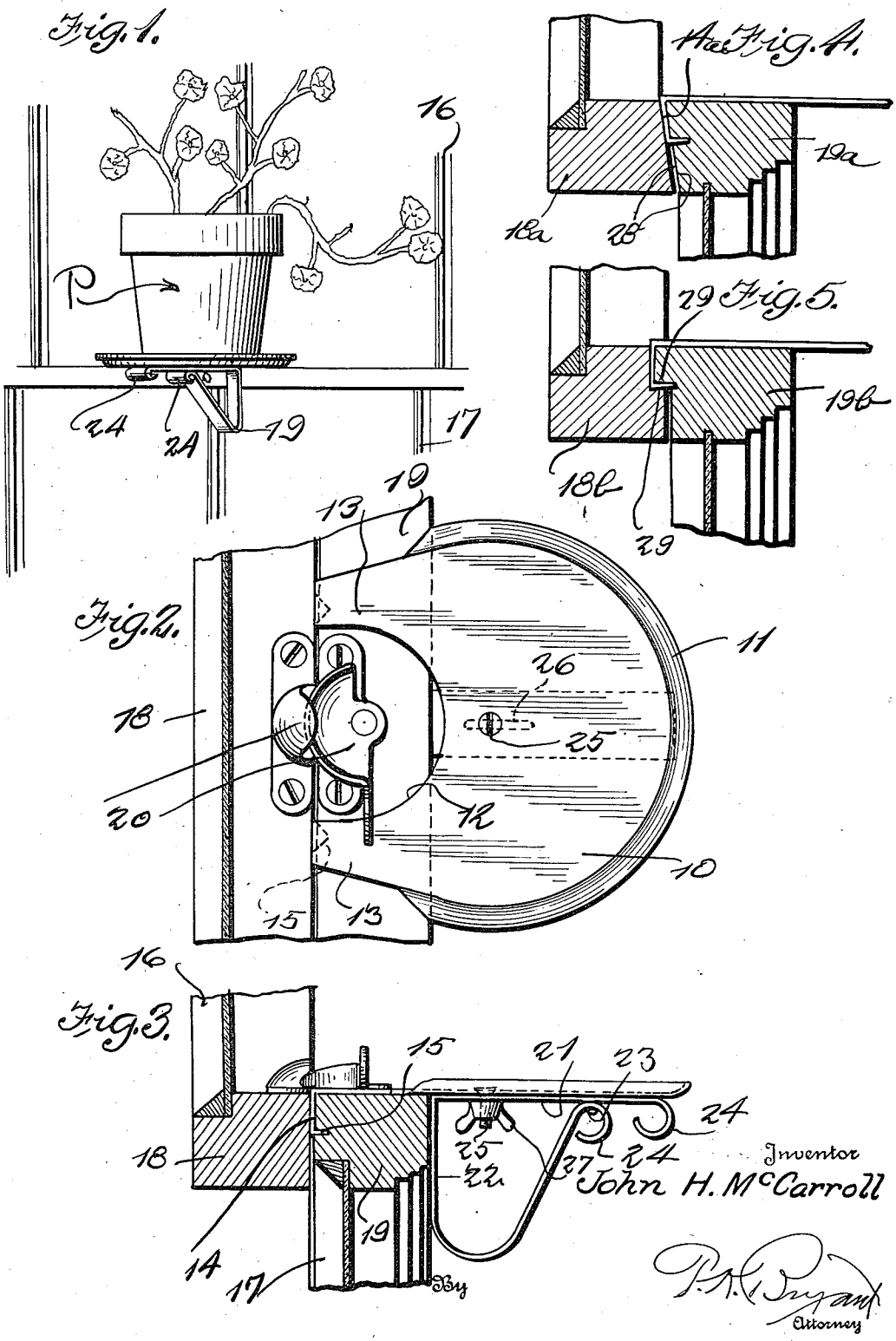
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PLANT SHELF FOR WINDOW MOUNTINGS

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PLANT SHELF FOR WINDOW MOUNTINGS

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1 Claim. (Cl. 248—208)

The invention relates to certain new and useful improvements in plant shelf for window mountings.

The primary object of the invention is to provide a plant shelf for window mountings adapted for support upon the upper or check rail of the lower sash of a window for the support of potted or other plants with the plant exposed to the light afforded by the window.

A further object of the invention is to provide a plant shelf for window mountings that has biting or interlocking engagement with the upper rail of a lower window sash and embodying an adjustable clamp element for securely anchoring the shelf in position with the shelf constructed to provide clearance for the usual sash rail supported window lock element and for support centrally of the sash.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing:—

Figure 1 is a perspective view of a plant shelf for window mountings constructed in accordance with the present invention and showing a potted plant supported thereby and the shelf attached to the sash rails of a window;

Figure 2 is a top plan view of the plant shelf operatively engaged with window sashes with the glass pane of the upper sash shown in section and showing the cut away portion of the plant shelf to escape the window lock;

Figure 3 is a side elevational view of the plant shelf in operative position upon sash rails that are shown in section, with the opposed faces of the meeting rails of the sashes extending perpendicularly;

Figure 4 is a detail sectional view of the meeting rails of upper and lower sashes showing inclined faces between the sash rails with the anchored ends of the shelf positioned between the rails; and

Figure 5 is a detail sectional view of meeting sash rails showing inter-fitting shoulders on the meeting rails with the ends of the shelf anchored therebetween.

Referring more in detail to the accompanying drawing, there is illustrated a plant shelf primarily designed for window mountings, although it is to be understood that the same may be engaged with supporting rails or the like, the shelf comprising a plate 10, generally circular in plan view and provided with an upstanding marginal flange 11 extending around the arcuate edge thereof. One side of the plate 11 is provided with a relatively large cut-away portion 12 forming a pair of projecting arms 13 lying in the same plane with the plate 10 and each arm 13 is provided at its outer end with a depending leg 14 having a return bent spur or pin 15 at its lower end.

As shown in Figures 1 to 3, the plant shelf is adapted for association with the meeting rails of upper and lower window sashes 16 and 17, the lower rail 18 of the upper sash and the upper rail 19 of the lower sash having vertical opposed faces mating with each other when the sashes are in closed position as shown in Figure 3, and said sash rails 18 and 19 are provided with the usual window lock elements 20 carried by the sash rails.

To mount the plant shelf upon the window sashes, the upper sash 16 is lowered and the projecting arms 13 of the plate 10 flatly engage with the upper surface of the lower sash rail 19, the shelf being then moved outwardly of the lower sash to cause the spurs or pins 15 to bite into the lower sash rail 19 as shown in Figures 2 and 3. In this position, the depending legs 14 carried by the arms 13 are positioned between the meeting sash rails. To retain the plant shelf rigidly supported upon the sash rails, there is provided a clamp member in the form of a metallic strip 21 flatly engaged with the underside of the plate 10 and carrying a depending leg 22 for engagement with the adjacent side of the lower sash rail 19 as shown in Figure 3, the lower end of the leg 22 being curved and directed upwardly for riveting or other attachment as at 23 to the metallic strip 21. The ends of the leg 22 and strip 21 are curved as at 24 to the side finger grips to facilitate adjustment of the clamping leg 22. The clamping leg 22 is moved into engagement with the lower sash rail 19 as shown in Figure 3 and the connection between the metallic strip 21 and the plate 10 includes a headed machine screw 25 passing downwardly through the plate 10 for projection through a slotted opening 26 extending longitudinally of the metallic strip 21 for the reception of tightening thumb screw 27 upon its lower projecting end. The screw and nut combination 25 and 27 retains the clamping leg 22 in its adjusted position relative to the plant shelf or plate 10. The clamping leg 22 cooperates with the depending leg 14 carried by the arm 13 for maintaining the spurs or pins 15 in biting engagement with the lower sash rail 19. A potted plant P is illustrated in Figure 1 as supported

upon the plate 10 of the shelf directly in the window opening to obtain full benefits of sunlight. The adjustment of the clamping leg 22 adapts the mounting of the plant shelf to window sashes of different sizes and it is to be understood that the clamping devices for the plant shelf adapt themselves to other forms of mountings or supports.

In Figure 4, the sash rails 18*a* and 19*a* are illustrated as having inclined opposed faces 28 and the depending leg 14*a* of the bracket plate depends therefrom at an angle for proper positioning between the meeting rails.

In the form of invention shown in Figure 5, the meeting rails 18*b* and 19*b* of the upper and lower sashes respectively are provided on their opposed faces with abutment shoulders 29 and in this form of sash rail construction, the plant shelf as shown in Figures 1 to 3 is applicable, the spurs or fingers 15 being positioned between the abutment shoulders 29.

From the above detailed description of the invention, it is believed that the construction and use thereof will at once be apparent and while there are herein shown and described the preferred embodiments of the invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

I claim:—

In a plant shelf of the character described, a substantially circular sheet metal plate cut-away at one side, a pair of arms projecting outwardly of the plate in the plane thereof respectively at opposite sides of the cut-away portion, a leg depending from the outer end of each arm with a return bent spur at the lower end of each leg, a one-piece clamp member including a flat strip engaged with the underside of the plate and adjustably secured thereto between the cut-away portion and opposite curved edge of the plate, a depending leg carried by the inner end of the flat strip and cooperating with the depending legs on the plate for clamping the shelf to a support and a forwardly and upwardly directed extension on the lower end of the depending leg and attached at its upper end to the under side of the strip adjacent the outer end thereof to support the plate in a horizontal position.

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