Jan. 29, 1935. T. SERPICO 1,989,294

FLOWERPOT SUPPORT

Filed July 29, 1933

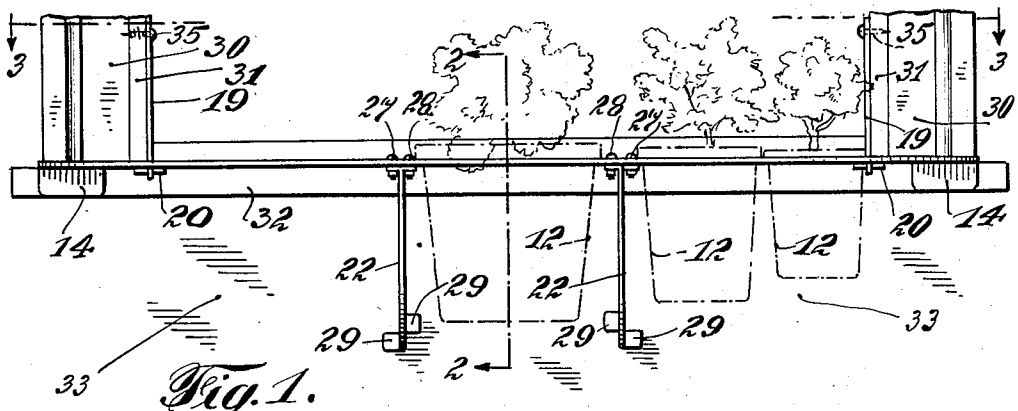


Fig. 1.

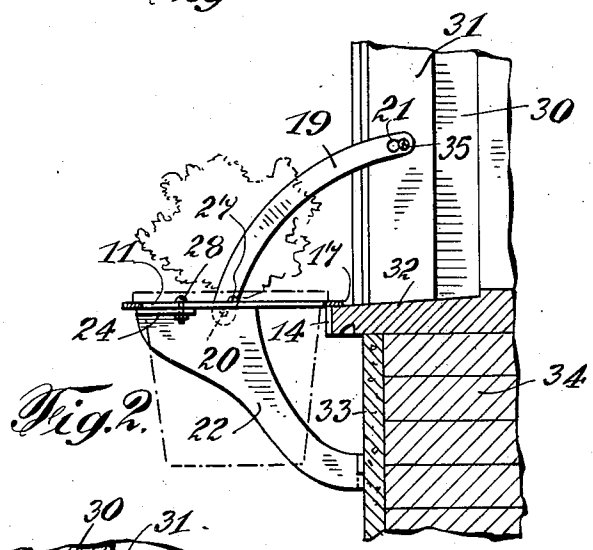


Fig. 2.

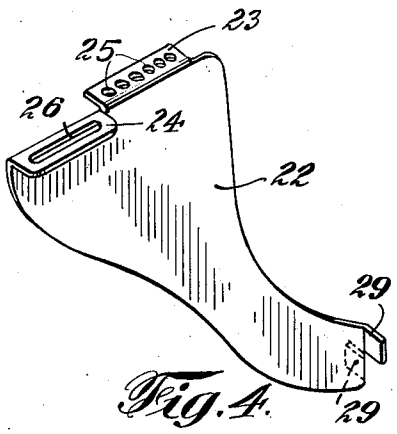


Fig. 4.

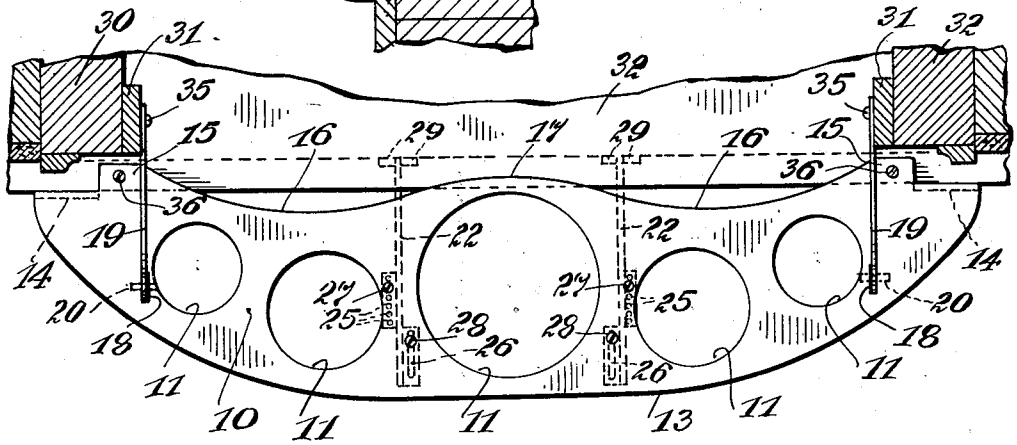


Fig. 3.

INVENTOR
Thomas Serpico
BY
[illegible]
His ATTORNEY

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FLOWERPOT SUPPORT

Thomas Serpico, Brooklyn, N. Y.

Application July 29, 1933, Serial No. 682,789

3 Claims. (Cl. 211—75)

My invention relates to flower pot supports, and refers particularly to supports of this character adapted to be supported outside of a window.

It is frequently desirable to support one, or more, flower-pots outside of a window, and in order to accomplish this satisfactorily, the device must have the following attributes:—It must be simple in construction and economic of production; it should be adapted to maintain a plurality of flower-pots of different sizes; it must be capable of easy attachment to a window at the outside of the window sill, without the necessity of marring the window sill platform which is frequently of stone, metal or cement; it must be firmly attached to the sill or frame to support the weight imposed upon it; it must not bend under the weight of the flower-pots; it must be adjustable to various distances from the outer edge of the sill to the window frame; it must be adjustable to various distances from the outer edge of the sill to that portion of the structure below the sill; it must be readily placed into, and removed from, operative position.

All of the above mentioned, and other, valuable attributes are possessed by the device of my invention.

The accompanying drawing illustrates one form of the device of my invention, similar parts being designated by similar numerals.

Figure 1 is a front elevation showing one form of the device of my invention as installed in operative position at the outside of a window and its sill.

Figure 2 is a central vertical section on the line 2—2 of Figure 1.

Figure 3 is a horizontal section on the line 3—3 of Figure 1.

Figure 4 is an enlarged perspective view of a supporting brace.

The particular form of my device shown in the accompanying drawing comprises a base plate, or shelf, 10 having a plurality of circular openings 11, 11 through which flower pots 12, 12 of various sizes may be inserted and supported by the rims of the pots abutting upon the upper face of the shelf 10.

The outward edge 13 of the shelf 10 is somewhat arc-shaped, to bow outwardly, while the rearward edge which has the straight flanged sides 14, 14, extending downwardly, extends inwardly to form the two supporting members 15, 15, and is continued to form the concavely curved edge portions 16, 16, the central portion 17 of which is convexly curved inwardly to form a middle support.

The base plate 10 has two similar transverse slots 18, 18, through its respective end portions adjacent its outer edge 13. Two similar hanger links 19, 19 pass freely through the respective slots 18, 18, from which these links extend upwardly and inwardly and are desirably bowed outwardly and upwardly, as shown. The lower end of each of these links carries a cross pin 20 upon which the lower face of the shelf plate 10 abuts, while the upper end of the link has through it a key-hole slot 21 with its smaller end directed towards this end of the link. The link 19, in each instance, has considerable freedom for rocking movement in the slot 18, whereby it may be swung to different inward and outward positions of adjustment, relatively to the transverse position of the shelf plate 10.

The shelf plate 10 is further supported and stiffened at its middle portions by means of two substantially similar supporting braces 22, 22 which are carried thereby and extend downwardly and inwardly therefrom, these two braces being shown as made of right-hand and left-hand shape, that being the only difference between them. The upper horizontal ends of these braces are rather wide transversely of the shelf plate 10 and each is provided with oppositely turned inner and outer horizontal lugs 23 and 24.

The inner lug 23 has a series of slightly spaced apertures 25, 25 arranged transversely of the shelf plate 10 while the outer lug 24 has through it a similarly disposed slot 26 of a length at least equal to that of the series of apertures 25, 25. A bolt 27 passes through the shelf plate 10 and one of the apertures 25, 25, while a similar bolt 28 passes through the shelf plate 10 and the slot 26. Thus the brace 22 is adjustable transversely of the shelf plate 10. The lower inwardly turned end of each of these braces 22, 22 is provided with a pair of similar oppositely turned lugs or toes 29, 29 which present rearwardly, or inwardly, directed flat vertical faces in alignment with one another.

By reason of the above described adjustability, the device of my invention is equally well adapted to be installed upon different windows which present different characteristics as to the outwardly exposed portions of their construction, particularly in regard to the positioning of the side frame members, or jambs, the window sill, or platform, and the outer wall structure beneath the sill, all of which may vary relatively to one another, and commonly do, but such variations in window construction will in no wise interfere with the facility with which the device of my invention may be installed thereon. Thus the use of the device of my

invention is in no way limited to the particular illustrative example of its installation shown in Figures 1, 2 and 3 of the drawing.

The particular window frame construction shown in the drawing comprises a pair of upright side pieces or window jambs 30, 30, having respectively thereon, or including, outer sash-guiding strips 31, 31, the outer edge faces of which, in this particular instance, are shown as flush with the outer edge faces of the jambs 30, 30, with the window sill 32 projecting outwardly beyond these faces, and also projecting, but to a somewhat less extent, beyond the outer face 33 of the underlying wall structure 34, whereby the sill 32 forms a usual drip ledge.

Different windows may vary considerably as to the extent to which the sill 32 projects beyond the outer wall face 33 and also, independently of this, as to the extent to which the outer edge face of the jambs are set back from the outer edge of the sill, at its upper face. Reference will now be had to the installation of the device on the window, as shown in the drawing, its installation on other windows being in general substantially similar.

It will be noted that the shelf plate 10 is of a length to extend entirely across the window space or opening and its ends are shown as extending beyond the opposed exposed faces of the window jambs 30—30.

The supporting members 15, 15 and the intermediate supporting portion 17 overlie and abut upon the outwardly projecting portion of the upper face of the sill 32, while the downturned end flanges or sides 14, 14 abut against the outer face of the edge of the sill, these flanges thus forming shelf-positioning elements on the shelf plate 10. At the same time, with the shelf plate 10 in horizontal position, the toe lugs 29, 29 of the shelf braces 22, 22 abut against the outer face 33 of the wall structure 34 in spaced relation downwardly from the sill 32.

The base plate, or shelf, 10 is maintained in this position on the sill 32 by means of the two inwardly and upwardly inclined suspension links, or hangers, 19, 19, each of which has its key-hole slot 21 removably hooked over and behind the head of a supporting screw 35 carried by the jamb 30 and shown in the drawing as screwed into its strip 31, in spaced relation above the sill 32. It will be obvious that these hanger links 19, 19, having a pivotal connection at each of their ends, will have a natural tendency to draw the pot-supporting shelf plate 10 inwardly towards and against the sill 32. However, in order to prevent accidental dislodgement of the shelf plate 10 from the sill, securing screws 36, 36 may pass through the supporting members 15, 15 into the sill 32, if desired, particularly in case the sill 32 is of wood.

In case, with a different window, the front face of the edge of the sill 32 should be at a different distance outwardly from the front face 33 of the wall 34, then the braces 22, 22 may be readily correspondingly adjusted transversely of the shelf plate 10, by means of the series of holes 25, 25 and slots 26, 26, which are adjustably engaged by the bolts 27, 27 and 28, 28, thereby to bring the toe lugs 29, 29 of these braces into abutting engagement with the outer wall face 33, with the shelf plate flanges 14, 14 then abutting against the face of the outer edge of the sill 32 when the shelf plate is supported in horizontal position, as shown in the drawing.

Similarly, with a different window having its jambs 30, 30, or their strips 31, 31, differently spaced at their front faces from the face of the front edge of the sill 32, the hanger links 19, 19 may swing about their shelf-supporting pins 20, 20, either inwardly or outwardly as required, so that then their key-hole slots 21, 21 may engage with the screws 35, 35, which may be placed in proper position to enable these links 19, 19 then to support the shelf plate 10 in horizontal position and in engagement with the sill 32, as shown in the drawing.

It is to be noted that the device of my invention is economical and convenient of manufacture. Its principal parts, that is, the shelf plate 10, the two hanger links 19, 19 and the two braces 22, 22, may all be readily pressed, or stamped, out from suitably heavy sheet metal. Also these parts may be easily and quickly assembled, or disassembled, and in the latter condition may be packed substantially flat. The hanger links 19, 19 require only to be passed through, or to be pulled out of, the plate slots 18, 18, in putting the device together, or in taking it apart.

The operation of the flower-pot support of my invention is as follows:—

Preliminarily, the braces 22, 22 are adjusted to their proper position on the shelf plate 10, and also the supporting screws 35, 35 are inserted at their proper positions on the window frame. After the device has been assembled and these anchor screws 35, 35 put in place on the window frame, nothing further is required, these screws, of course, being thereafter left in place, whether or not the device is in its installed position of use at the outside of the window. It is obvious that the device may be placed in, or removed from, operative position either from the outside of the building or from the inside, as may be more convenient in any particular instance.

It may be simply passed out through the opened window, brought into position, and the links 19, 19 hooked over the screws 35, 35, with the shelf plate 10 in supported and abutting engagement with the outer portion of the sill 32. At any subsequent time the entire device may be removed merely by unhooking its links 19, 19 from these screws 35, 35. While the device is in its installed position of use, flower-pots of various sizes, such as the pots 12, 12, may be conveniently placed in the openings 11, 11, to be supported by their rims abutting upon the upper face of the shelf plate 10, as indicated in the drawing, and may be as conveniently lifted out and removed when desired.

It is clearly evident that the illustrated and above described flower pot support of my invention may be similarly installed within a room at the inner side of a window, if so desired in any particular instance, and thus is well adapted to be utilized at the outside during the summer and at the inside in the winter, or it may be transferred from one of these positions to the other at any time according to weather conditions.

It is obvious that various modifications may be made in the construction shown in the drawing and above particularly described, within the principle and scope of my invention as defined in the appended claims.

I do not limit myself to the particular size, shape, number, arrangement or character of the elements of my device as specifically shown and described, as these are given simply as a means for clearly describing the device of my invention.

What I claim is:—

1. A flower pot support comprising a flat shelf

plate of a length to extend horizontally across a window substantially at the level of its sill, means on an edge portion of said shelf plate adapted to have a shelf-supporting and shelf-positioning abutting engagement with the edge portion of the window sill, two shelf-supporting hanger links extending above and adapted to have their lower ends directly pivotally connected respectively to end portions of said shelf plate, and means adapted for detachably pivotally anchoring the upper ends of said hanger links to side members of the window frame, said latter means comprising for each of said hanger links a headed stud adapted to be positioned on and to project laterally from a side member of the window frame and a key-hole slot provided through the upper end of said hanger link with the smaller end of said slot directed towards this end of said link thereby to have detachable interlocking pivotal engagement with said headed stud.

2. A flower pot support comprising a flat shelf plate of a length to extend horizontally across a window substantially at the level of its sill, means on an edge portion of said shelf plate adapted to have a shelf-supporting and shelf-positioning abutting engagement with the edge portion of the window sill, two shelf-supporting hanger links extending above and adapted to have their lower ends directly pivotally connected respectively to end portions of said shelf plate and adapted to be pivotally anchored at their upper ends to side members of the window frame, each of said hanger links being adapted to pass freely upwardly through a slot in said shelf plate and being provided with an oppositely projecting cross pin below said shelf plate upon which the latter is supported and which forms a pivotal connection for rocking movement of said hanger link relatively to said shelf plate while also providing for removable withdrawal of said hanger link out of said slot, and means adapted for detachably pivotally anchoring the upper ends of said hanger links to side members of the window frame, said latter means comprising for each of said hanger links a headed stud adapted to be positioned on and to project laterally from a side member of the window frame and a key-hole slot provided through the upper end of said hanger link with the smaller end of said slot directed towards this end of said link thereby to have detachable interlocking pivotal engagement with said headed stud.

3. A flower pot support comprising a flat shelf plate of a length to extend horizontally across a window and means adapted for removably supporting said shelf plate in horizontal position across the window substantially at the level of the window sill, said supporting means including a brace member below said shelf plate and adapted to abut against the outer face of the wall structure below the window sill, and means whereby the upper end of said brace member is rigidly secured to said shelf plate for adjustment transversely of the latter, said latter means comprising oppositely turned lugs on the upper end of said brace member with one of these lugs having a series of holes through it and the other having a slot through it, a bolt passing through said shelf plate and engaging in one of said holes, and another bolt passing through said shelf plate and said slot.

THOMAS SERPICO.