

No. 869,149.

PATENTED OCT. 22, 1907.

E. W. THAYER.
WINDOW SHELF.

APPLICATION FILED FEB. 11, 1907.

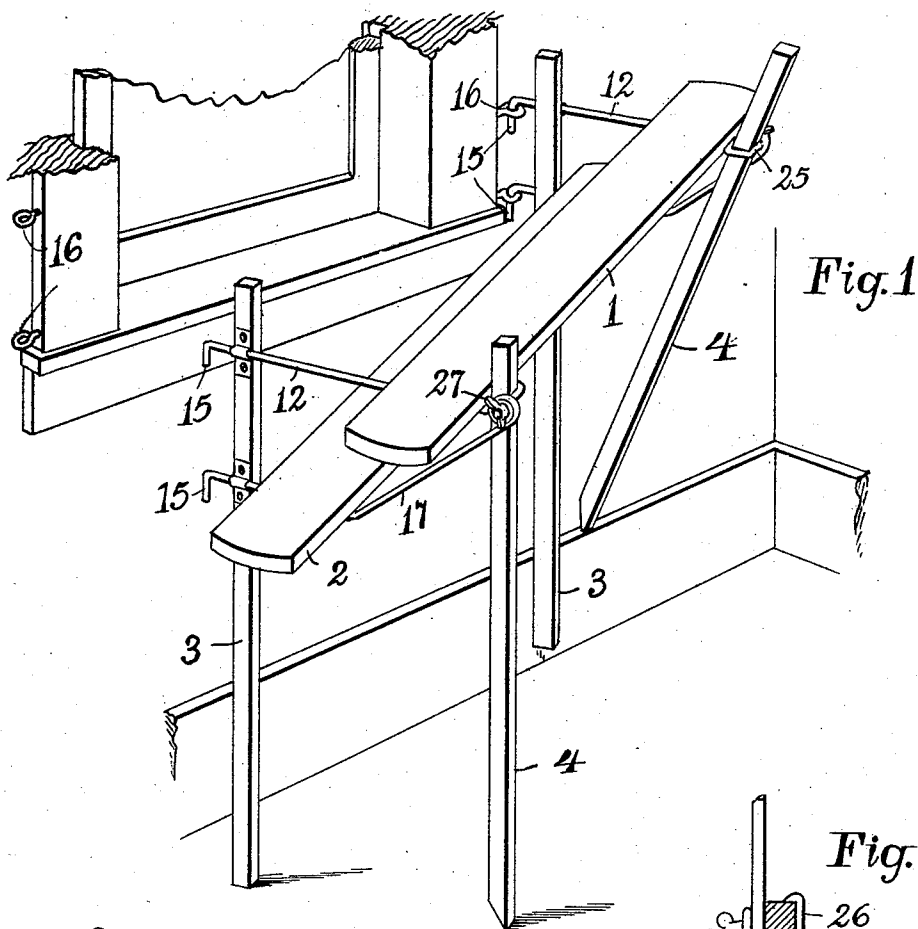


Fig. 1

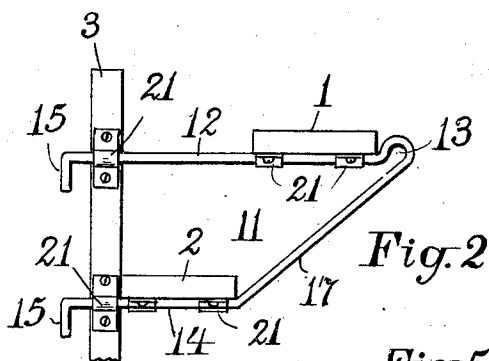


Fig. 2

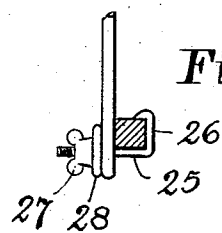


Fig. 4

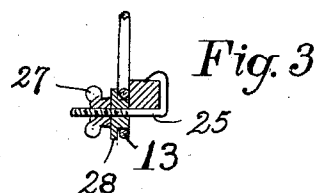


Fig. 3

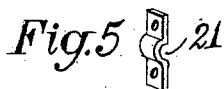


Fig. 5

Attest

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UNITED STATES PATENT OFFICE.

EMILY W. THAYER, OF SAXTONS RIVER, VERMONT.

WINDOW-SHELF.

No. 869,149.

Specification of Letters Patent.

Patented Oct. 22, 1907.

Application filed February 11, 1907. Serial No. 356,716.

To all whom it may concern:

Be it known that I, EMILY WAITEE THAYER, a citizen of the United States, and a resident of Saxtons River, in the county of Windham and State of Vermont, have invented certain new and useful Improvements in Window-Shelves, of which the following is a specification.

The main difficulty with having bracket shelves secured to a window for the support of plants is that it is a most inconvenient task to get at such window for washing it. Ordinarily it is necessary to wholly remove such plants, and perhaps the shelves as well, in order to conveniently reach the window. Further, it is a hard thing to support such shelves with sufficient strength to insure against breaking down when loaded with an extra heavy supply of plants.

The object of this invention is the construction of a plant support which shall be secured to a window with ample strength; attached to windows of various sizes and heights from the floor; shall be neat and attractive in appearance; shall leave the floor unencumbered with supporting legs and so permit the latter's unimpeded cleaning; shall be comparatively inexpensive, and, finally, shall be capable of being moved away from the window far enough to permit the latter's washing, and while thus removed shall not be in danger of overturning or collapse.

Referring to the drawings forming part of this specification, Figure 1 is a perspective view of a plant stand, or window shelves, made in accordance with my invention; the same being illustrated as partially swung away from the window. Fig. 2 is a side elevation of the plant stand, with the swinging leg removed, and the other partially broken away. Fig. 3 is a cross section of one of the swinging legs showing the clamp screw therefor, with the pivotal button and thumb nut in section. Fig. 4 is a similar view, but with said button and thumb nut not in section. Fig. 5 is a perspective view of one of the clips by means of which certain parts are secured in place.

I prefer to form the plant stand with two shelves 1 and 2; the one nearer the window being lower than the other in order to give the plants on each shelf equal chance at the sunlight. These shelves are supported on the two brackets 11 each made from a single length of steel rod bent into the form shown in Fig. 2, with hooks 15 at the ends adapted for entering screw eyes 16 fixed in the window casing, preferably in the edges next the wall.

The upper branch 12 is horizontal and straight for substantially its whole length, while the lower branch 14 is horizontal for but half its length, the remainder

17 extending at an angle to the partially closed eye or loop 13 at the termination of the upper branch.

The shelf 1 is supported on the branch 12, being fixed thereto by means of suitable clips 21 screwed or nailed to the underside of the shelf, as shown in Fig. 2. The shelf 2 is fastened to the branch 14 by clips 21 in the same manner.

In case the window for which the shelves are wanted is of unusual dimensions, the clips 21 holding the shelves to the side brackets are nailed or screwed at places along the shelves to fit such window; the screw eyes 16 being first inserted, and said clips located to accord with the distance between the end brackets.

To enable the shelves to be swung at one end away from the window for giving access to the latter, I provide each end with two legs 3 and 4; the legs 3 being fixed to the branches 12 and 14 by clips 21 at a height to bring the lower ends of such legs a short space above the floor,—just enough to permit sweeping or wiping of the floor.

The front legs 4 are adapted to both swing inward to rest upon the upper edge of the mopboard, and thereby more strongly support the shelves, and to be swung to a vertical position and be longitudinally adjusted to bring their lower ends on the same level as the corresponding ends of the legs 3. A leg 4 having been thus brought to a vertical position and adjusted as described, the shelves can then be slightly raised at the corresponding end of the stand, until the hooks 15 thereat are out of engagement with their screw eyes, and such end of the shelves swung away from the window to a suitable distance; the frame-hooks 15 at the opposite end of the shelves forming a pivot for the shelves to swing upon. This is the position illustrated in Fig. 1 of the drawings.

My arrangement for enabling the legs 4 to be both angularly and vertically adjusted consists in each case of the screw-hook 25 penetrating the button 28 located in the loop or eye 13, and provided with a thumb-nut 27. By loosening said thumb-nut, the leg 4 can be either turned on the hook-stem 25 as a pivot, or slid up or down between the hook-part 26 and the loop 13 to the extent desired; or both movements can be made simultaneously. When properly adjusted, the thumb-nuts are to be tightened, and the legs thereby firmly secured in position.

Not only can this plant stand be swung away at one end from the window for the purpose of permitting the latter to be opened or closed, or for the window and window sill to be easily reached for cleaning, but by thus moving the plants upon the stand farther from the cold of the window during winter nights, the same are pro-

tected from becoming chilled or frozen. Further, by thus swinging the stand out from the window, access can be had to the plants from the rear for better attention than from the front alone; and the shades or curtains can be readily reached for adjustment or removal.

It will be further seen that the window sill is not in any manner defaced or marred by this plant stand.

What I claim as my invention and for which I desire Letters Patent is as follows, to wit:—

10 1. A plant stand comprising one or more shelves, legs connected therewith, and fastening devices connected with the ends of said shelf or shelves for attaching the same to the sides of a window, said fastening devices being readily detachable and disposed to permit the plant stand to be
15 swung horizontally upon the fastening devices at one end thereof when those at the other end have been disconnected.

20 2. A plant stand comprising one or more shelves, side-frames supporting the same, detachable fastening devices for securing said side-frames to the frame of a window, and a pair of legs at each end of the shelves, the outer of which is angularly and longitudinally adjustable.

3. A plant stand comprising one or more shelves, side-frames supporting the same each consisting of a metal rod bent into two branches terminally hooked, screw-eyes for engaging said hooks and detachably securing them to the frame of a window, legs fixed to said side-frames near said hooks, and legs pivotally secured to the juncture of said branches. 25

4. A plant stand comprising a pair of shelves, side-frames supporting the same and each consisting of a metal rod bent into two branches terminally hooked, one branch straight for substantially its entire length and the other straight for substantially half its length, and an eye being formed at the juncture of said branches in each side-frame, a leg fixed to the branches of each side-frame and reaching nearly to the floor of the room for which the arrangement is designed, a hooked screw and button in each said eye, thumb-nuts on said hooked screws, and legs clasped by said hooked screws. 30 35 40

In testimony that I claim the foregoing invention, I have hereunto set my hand this 4 day of Feb., 1907.

EMILY W. THAYER.

Witnesses:

LILLIAN J. FERGUSON,
C. W. OSGOOD.