July 8, 1958 J. B. MASSEY 2,842,270

WALL SHELF

Filed Nov. 19, 1954

Fig. 1

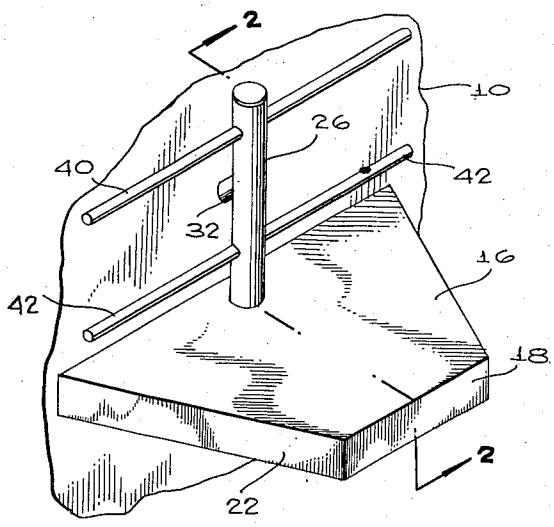


Fig. 2

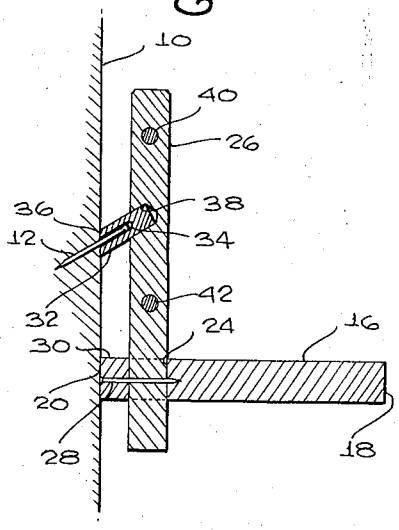
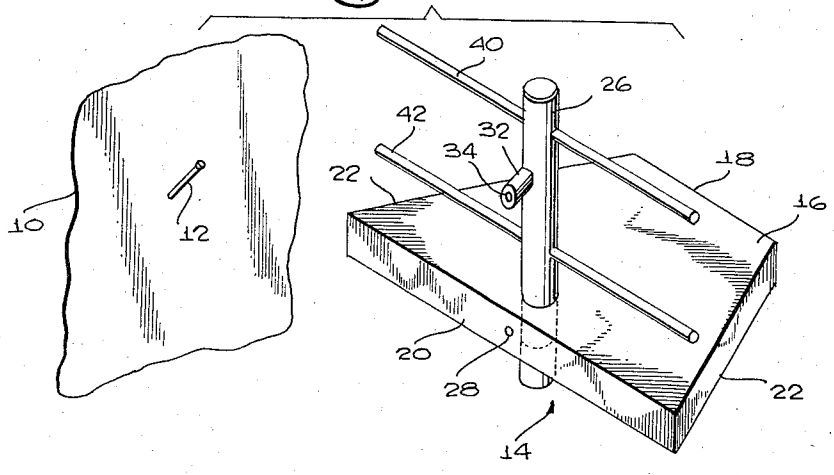


Fig. 3



INVENTOR.
JOHN B. MASSEY

BY

McMorrow, Berman + Davidson
ATTORNEYS

United States Patent Office 2,842,270 Patented July 8, 1958

2,842,270

WALL SHELF

John B. Massey, Turlock, Calif.

Application November 19, 1954, Serial No. 470,105

4 Claims. (Cl. 211—90)

This invention relates to an improved article support for mounting on a wall or other similar vertical support.

The primary object of this invention is to provide an article support or rack in the nature of a shelf which can be mounted easily and securely on a vertical wall, or other similar vertical support surface, with a minimum amount of damage to the supporting surface.

It is a further object of this invention to provide a wall shelf wherein only a single fastener device, such as a nail, need be driven into the wall, or other vertical support surface, for adequately supporting and maintaining the shelf in proper position on the wall.

It is yet another object of this invention to provide a wall shelf of the character indicated above which is of simple, inexpensive construction, is capable of manufacture at relatively low cost, and is attractive in appearance.

Other objects and advantages will become apparent from a consideration of the following detailed description, forming the specification, taken in conjunction with the accompanying drawings, in which:

Fgiure 1 is a perspective view of a wall shelf embodying this invention mounted on a vertical wall surface;

Figure 2 is a vertical transverse, medial, cross sectional view taken substantially along line 2—2 of Figure 1; and

Figure 3 is an exploded perspective view showing the wall shelf dismounted from the wall.

With continued reference to the drawings, there is shown a portion of a vertical support surface, such as a wall **10** having a fastener, in the form of a nail **12**, projecting upwardly and outwardly therefrom.

The illustrated wall shelf or rack, generally indicated at **14** comprises a horizontal base plate or shelf **16** having parallel outer and inner ends **18** and **20**, and outwardly convergent sides **22**.

The base plate **16** is provided with a vertical hole **24** extending therethrough close to and spaced from the inner end **20** and located midway between the sides of the base plate. A vertical post **26** has its lower portion engaged through the hole **24** with a tight friction fit, and if desired, a fastener, such as a nail **28**, can be driven through the inner end **20** of the base plate **16** and through the post **26** to secure the post in place on the shelf or base plate **16**, with the major portion of the post **26** rising above the base plate **16**.

The inner side of the upper portion **30** of the post **26** above the base plate or shelf **16** has therein an inwardly declining socket **38**, in which is secured the elevated outer end of an inwardly declining prop **32** having a depressed inner end **36**. The inner end **36** is angled relative to the length of the prop **32** to have flush vertical engagement with the wall surface **10** along with the inner end **20** of the base plate **16**, so as to hold the base plate in a horizontal position at right angles to the wall surface **10**. The prop **32** has an axial bore

34 opening through the depressed end **36** to receive the nail **12** projecting from the wall surface, and mount the device on the wall.

As clearly shown in Figure 2, the fastener or nail **12** is tightly but removably received within the bore **34** of the prop **32** so that the wall shelf **14** is removably mounted on the wall **10** and maintained in a secure position from which it will not slip.

Vertically spaced transverse upper and lower cross bars **40** and **42** traverse the upper portion **30** of the post **26** for supporting articles in addition to articles placed upon the shelf **16**.

While there is shown and described the preferred embodiment of the invention, it is to be understood that the structure is susceptible to change and modification within the practicability of the invention and is limited only by the scope of the claims appended hereto.

What is claimed is:

1. In combination, a wall, a horizontal shelf having an inner end bearing freely against the wall, and opposite sides, a post fixed to and rising from said shelf close to and spaced outwardly from said inner end, said post having an inner side, a prop having an outer end secured to the post, said prop extending inwardly beyond the inner side of the post and having an inner end vertically aligned with said inner end of the shelf and bearing freely against the wall, said prop having a bore opening through its inner end and said wall having fixed thereon a nail projecting from the wall and supportably engaged in said bore.

2. In combination, a wall, a horizontal shelf having an inner end bearing freely against the wall, and opposite sides, a post fixed to and rising from said shelf close to and spaced outwardly from said inner end, said post having an inner side, a prop having an outer end secured to the post, said prop extending inwardly beyond the inner side of the post and having an inner end vertically aligned with said inner end of the shelf and bearing freely against the wall, said prop having a bore opening through its inner end and said wall having fixed thereon a nail projecting from the wall and supportably engaged in said bore, said prop being inwardly declined relative to the post and said bore being axial in the prop, and the inner end of the prop being angled relative to the length of the prop for flush vertical engagement with the wall.

3. In combination, a wall, a horizontal shelf having an inner end bearing freely against the wall, and opposite sides, a post fixed to and rising from said shelf close to and spaced outwardly from said inner end, said post having an inner side, a prop having an outer end secured to the post, said prop extending inwardly beyond the inner side of the post and having an inner end vertically aligned with said inner end of the shelf and bearing freely against the wall, said prop having a bore opening through its inner end and said wall having fixed thereon a nail projecting from the wall and supportably engaged in said bore, said shelf being provided with a vertical hole therethrough at a point midway between the sides of the shelf and close to and spaced from said inner end of the shelf, and said post having a lower portion engaged through said frictionally fitting hole.

4. In combination, a wall rack, a horizontal shelf having an inner end bearing freely against the wall, and opposite sides, a post fixed to and rising from said shelf close to and spaced outwardly from said inner end, said post having an inner side, a prop having an outer end secured to the post, said prop extending inwardly beyond the inner side of the post and having an inner end vertically aligned with said inner end of the shelf and bearing freely against the wall, said prop having a bore opening through its inner end and said wall having fixed thereon a nail projecting from the wall and supportably engaged

in said bore, said prop being inwardly declined relative to the post and said bore being axial in the prop, and the inner end of the prop being angled relative to the length of the prop for flush vertical engagement with the wall, said inner side of the post being provided with an inwardly declining socket and said outer end of the prop being securably engaged in said socket.

References Cited in the file of this patent

UNITED STATES PATENTS

D. 138,992	Daum	Oct. 3, 1944	
676,619	Faethe	June 18, 1901	
793,828	Dunn	July 4, 1905	
913,955	Hansen	Mar. 2, 1909	
1,149,141	Hook	Aug. 3, 1915	
1,163,132	Ette	Dec. 7, 1915	
1,521,592	Belke	Jan. 6, 1925	
2,326,864	Keeshen	Aug. 17, 1943	
2,428,454	Fowler	Oct. 7, 1947	
2,655,330	Martinez	Oct. 13, 1953	

FOREIGN PATENTS

102,232	Sweden	Aug. 5, 1941