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CAN HANGER SHELF

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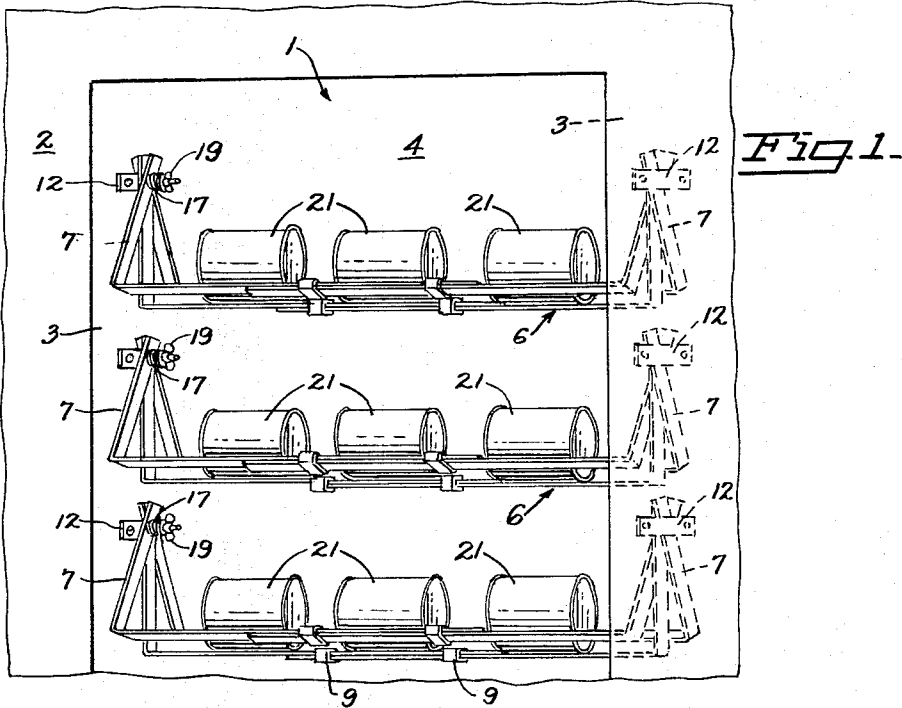


Fig. 1.

Fig. 2.

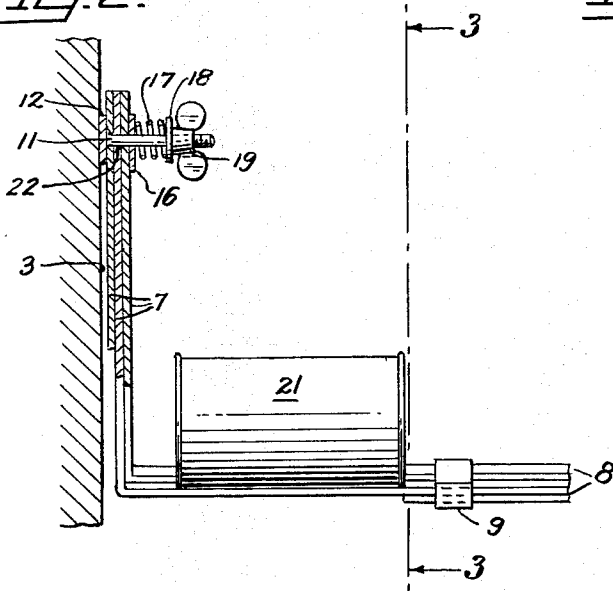
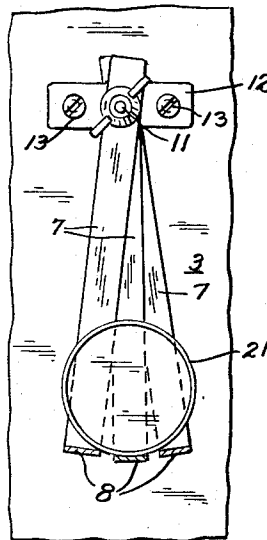


Fig. 3.



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CAN HANGER SHELF

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This invention pertains to a can hanger or holder shelf.

The primary object of the invention is to provide an adjustable shelf or hanger which can be easily assembled and hung in shallow closets or the like.

Particularly it is an object of the invention to provide a hanging shelf for cans and the like by pivotally supporting a plurality of strips on the opposite sides of an indent in a wall, the respective strips being connected by horizontal supporting members so that as the strips are swingable about the respective pivots, the horizontal cross members are adjusted to various spacing corresponding to the diameter of the can to be supported thereon; the cans being placed on their cylindrical sides so as to be easily handled for removal or replacement.

Another object of the invention is to provide a plurality of relatively adjustable hanger members, each end of which is pivotally supported on respective opposite walls so that the spacing between the individual hangers is adjustable to fit the diameter of cans laid thereon sideways; means being provided to hold the respective hangers in adjusted spaced position.

I am aware that some changes may be made in the general arrangements and combinations of the several devices and parts, as well as in the details of the construction thereof without departing from the scope of the present invention as set forth in the following specification, and as defined in the following claims; hence I do not limit my invention to the exact arrangements and combinations of the said device and parts as described in the said specification, nor do I confine myself to the exact details of the construction of the said parts as illustrated in the accompanying drawings.

With the foregoing and other objects in view, which will be made manifest in the following detailed description, reference is had to the accompanying drawings for the illustrative embodiment of the invention, wherein:

FIG. 1 is a perspective fragmental view of a shallow closet with several can hangers in position.

FIG. 2 is a fragmental cross-sectional view showing a pivotal mounting of the hanger strips.

FIG. 3 is a fragmental sectional view, the section being taken on lines 3-3 of FIG. 2.

The can hanger shelf herein is adapted to be easily mounted and hung in a shallow space such as a shallow indent in a wall as a closet 1 in a wall 2, having opposite shallow sides 3 and a bottom 4. Each hanger shelf contains, in the herein illustrative embodiment, three hanger elements 6. Each hanger element 6 has a generally perpendicular end 7 and a horizontal supporting strip or bar 8. In the present illustration the support bar 8 consists of a pair of superimposed relatively slidable elements telescoped through suitable sleeves 9 so that the length of the support bar 8 can be adjusted according to the width of the closet space 1.

The perpendicular ends 7 at each end of the support bars 8 having holes 22 for mounting on a pivot pin 11. This pivot pin 11 may be mounted in any suitable man-

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ner on the adjacent end 3 of the closet 1. In the present illustration a bracket plate 12 is secured to the end 3 by suitable screws 13 and the pivot pin 11 is an integral part of plate 12 and projects from it inwardly of the closet 1. The outer portion of the pivot pin 11 is threaded. A suitable friction washer 16 on the pivot pin 11 bears against the perpendicular end 7 farthest from the adjacent end 3. A coil spring 17 around the pin 11 bears against the friction washer 16 and has another washer 18 on its outer end against which latter bears a suitable adjusting member such as a wing nut 19.

As the wing nuts 19 are loosened the hanger ends 3 can be moved apart or together about the respective pivots 14 to accommodate cans 21 laid on the horizontal support bars 8 on their sides as shown on the drawings. When the desirable spacing of the horizontal support bars 8 is accomplished, the wing nuts 19 are tightened and the hanger shelf is secured in the adjusted position.

The hanger shelves are adjustable to spaces of various widths by reason of the telescoping sections of the support bars 8.

I claim:

1. A can hanger shelf comprising

(a) a plurality of support elements spaced from one another to form a cradle for cans laid on their sides thereon,

(b) a substantially perpendicular hanger member at each end of each support element, the free ends of adjacent hanger members being superimposed,

(c) and means to pivotally mount said superimposed ends on a supporting surface thereby to hold said support elements in cradle forming position.

2. The can hanger shelf defined in claim 1 and

(d) means to secure said superimposed ends in adjusted position to conform to the diameter of a can.

3. The invention defined in claim 2 and

(e) said support elements being longitudinally adjustable to the length of the space for said hanger.

4. The can hanger shelf defined in claim 1 wherein said mounting means includes

(d) a pivot pin extended through said superimposed ends,

(e) mounting means to support said pivot pin in position on a wall,

(f) adjustable friction means to hold said superimposed ends in adjusted position.

5. The invention defined in claim 4 wherein said adjustable friction means includes

(g) a spring,

(h) a securing member adjustable on the pivot pin to selectively exert or release pressure on said spring.

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