HANGER FOR PORTABLE APPLIANCES

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My invention relates to an improved hanger for portable appliances or other objects, particularly those having a carrying handle projecting from their tops.

A prime object of my invention is to provide a hanger for supporting a portable appliance or other object in such a manner that the appliance is swivable.

Another object of my invention is to provide a hanger for supporting a portable appliance or other object at any desired height above floor level and in spaced relation to a wall or other supporting structure.

Another object of my invention is to provide a hanger for safely supporting a portable appliance in such a swivable manner without the need of any fastening means.

Other objects and advantages of my invention will be apparent from the following detailed description taken in conjunction with the accompanying drawings wherein a preferred embodiment of the principles of the invention has been selected for exemplification.

In the drawings:

FIG. 1 is a perspective view of my novel hanger.

FIG. 2 is a top view of the hanger of FIG. 1.

FIG. 3 is a bottom view of the hanger of FIG. 1.

FIG. 4 is section view taken along line 4—4 in FIG. 1.

FIG. 5 is front view of the hanger in use.

The functional element of my invention includes:

The two mounting brackets 13 and 14 are secured across the vertical legs 17a and 18a by welding or other suitable means. More than two mounting brackets, or one large bracket, may also be employed if desired. Contained in the brackets 13 and 14 are openings 21 through which screws or other suitable fastening means may be inserted to secure the brackets 13 and 14 and thereby the hanger 10 to a wall or other substantially vertical surface.

The upper mounting bracket 13 is specially constructed to secure the hanger 10 to a wall even if the weld or other joint between it and the frame 12 should fail. For this purpose, the upper mounting bracket 13 has a substantially vertical groove 22 running its entire height at each of its ends 23. A portion of each of the vertical legs 17a and 18a fits in each of these grooves 22. Because of this engagement of the vertical legs 17a and 18a, the ends 23 of the upper mounting bracket 13 will clamp the legs 17a and 18a securely to wall or other surface. This clamping action of the bracket 13 occurs whether or not the bracket 13 is welded or otherwise joined to the frame 12. The clamping action may be further promoted by extending the ends 23 of the upper mounting bracket 13 around the vertical legs 17a and 18a to encompass another side of the vertical legs 17a and 18a. If the ends 23 are so extended, the bracket 13 does not necessarily have to be welded to the vertical legs 17a and 18a. If desired, it may come as a piece separate from the legs 17a and 18a.

Enough has already been said to make evident the uses of my inventive hanger 10. It may be used with any portable appliance or other object with a carrying handle. The appliance is simply hung on the hanger 10 with its carrying handle resting in upwardly opening channel 11.

No fastening means of any kind is required to secure the appliance to the hanger 10. The channel 11 alone safely holds the appliance in an elevated position wherein there is no danger of water contact or damage from kicking or other abuses to which floor supported appliances are commonly subjected. In addition, an appliance supported by my device is safely out of reach of small children.

Because the channel 11 is rotatable, any appliance hanging on it is swivable. This is especially advantageous for appliances like television sets and heaters, which are usually turned by their owners to a variety of positions in the course of everyday operation. An additional advantage of my hanger device is that the appliance supported thereby is outwardly spaced from the wall or other supporting structure. Such spacing is especially advantageous for supporting heating or cooling appliances, as it permits free circulation and intake of air between the appliance and the supporting structure.

The sturdy construction of my hanger 10 makes it virtually impenetrable for any expensive appliance to accidentally fall from it and be damaged. Added insurance against such an accident is provided by the careful construction of the upper mounting bracket 13. The bracket 13 clamps the frame 12 of the hanger 10 against a wall. It would continue to do so even if the weld joint between the bracket 13 and the frame 12 were to fail.

It is understood that my invention is not confined to the particular construction and arrangement of parts herein illustrated and described but embraces all such modified forms thereof as come within the scope of the following claims.

I claim:

1. A hanger for supporting an appliance, said hanger comprising a channel and a frame, said frame comprising a length of bar stock, said bar stock being substantially V-shaped and having a notch and a first pair of legs, said V-shaped bar stock resting in a substantially horizontal
3. The hanger of claim 1 wherein the channel is substantially horizontal and upward opening.

4. The hanger of claim 1 wherein the means for securing the frame to a wall comprises a second pair of legs and a plurality of mounting brackets, said second pair of legs being substantially vertical and extending integrally from the first pair of legs, and said brackets being fixedly attached to said second pair of legs.

5. The hanger of claim 1 wherein the means for securing the frame to a wall comprises a second pair of legs and an upper mounting bracket and a lower mounting bracket, said second pair of legs being substantially vertical and extending integrally from the first pair of legs, said brackets being fixedly attached to said second pair of legs, said upper bracket having a pair of grooves, each of said grooves engaging one of the legs of said second pair of legs whereby said upper mounting bracket serves to clamp said frame against a wall, and said lower bracket being positioned so as to bear against said wall and space the lower portion of said second pair of legs from said wall.

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