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FLUSH WALL FLORAL HANGER

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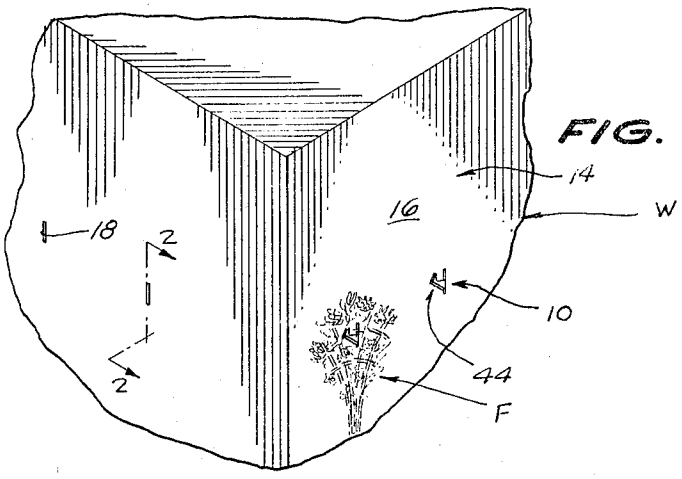


FIG. 1.

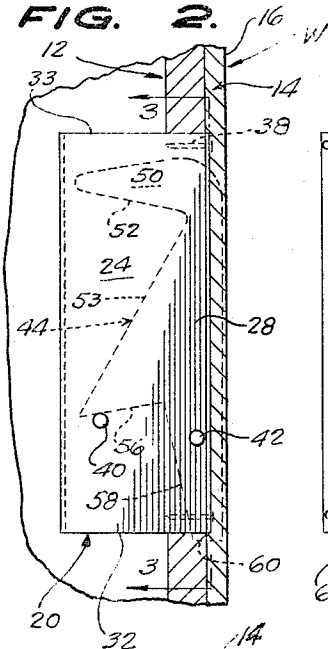


FIG. 2.

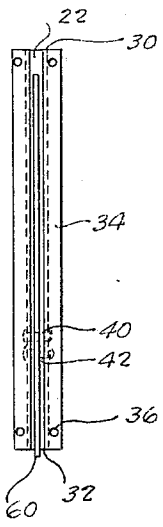


FIG. 3.

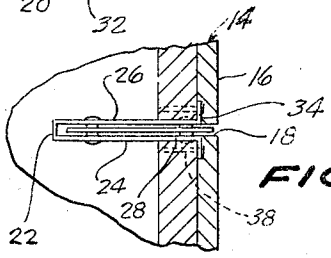


FIG. 4.

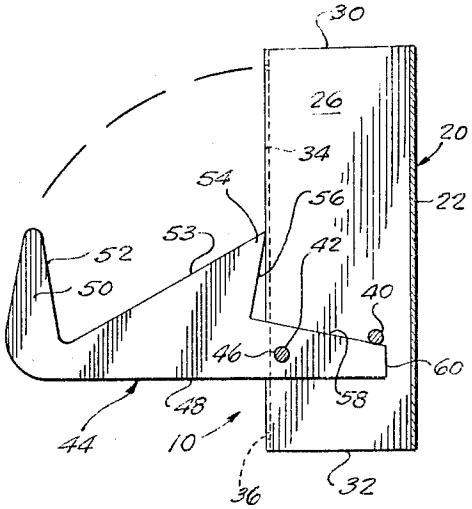


FIG. 5.

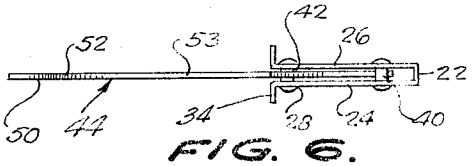


FIG. 6.

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FLUSH WALL FLORAL HANGER

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This invention relates to supports adapted for use in wall constructions wherein a dependable and sturdy connection element is required which may, for aesthetic or other reasons, be conveniently stored in a concealed position when not in use. One environment for use of this device wherein particular utility is contemplated is in mortuaries and the like in supporting floral displays.

In the construction of wall units wherein it is, on occasion, necessary to suspend decorative or other materials from the wall, conventional hook assemblies, and pivotally movable hooks have been previously proposed. However, previous proposals have failed to find general acceptance either as undependable from the standpoint of strength and durability, or unsightliness. The present invention has, as one important objective thereof, the provision of a hook assembly for use in connection with a vertical wall construction which combines the advantages of strength and non-complexity of construction, and which is retractable to a position within the wall wherein it is not readily visible when stored.

A related object of importance resides in the provision of a retractable hook assembly including a housing and a hook member, the hook member having a pair of abutment edges which coact with a single cross pin to hold the hook member in alternative storage and operational positions. Still another object is to provide a hook member as indicated, which is shaped such that its weight distribution is arranged to readily pivot it between its said alternate positions.

A further object is to supply a hook member as aforesaid wherein there is provided an inner end edge which, in operational position, slopes downwardly and outwardly from the wall to support flower containers and the like in spaced relationship to the wall and avoid damage thereto.

Other and further objects and advantages will become apparent to those skilled in the art from a consideration of the following specification when read in conjunction with the annexed drawing, in which:

FIG. 1 is a fragmentary, perspective view of a portion of a wall, showing devices constructed and assembled in accordance with the teachings of this invention in place thereon;

FIG. 2 is an enlarged, detail cross-sectional view, taken substantially on the line 2—2 of FIG. 1, looking in the direction of the arrows;

FIG. 3 is a front elevational view of a support hereof, as seen from the line 3—3 of FIG. 2, looking in the direction of the arrows;

FIG. 4 is a top view of the device of FIG. 3;

FIG. 5 is a medial, sectional view; and

FIG. 6 is another top plan view, showing the hook member of the assembly in extended position.

Proceeding to a more detailed description of a preferred form of the invention as shown in the drawing, the invention is generally designated therein by reference numeral **10**, and is adapted for mounting in a wall construction W which, as shown in FIGURES 1 and 2, includes an interior structure **12** of some type (such as sheathing or studding), and an outer facing material **14** such as paneling or the like. The outer facing material has an exterior surface **16**, and has a vertically arranged, substantially rectangular slot **18** formed therein for a purpose appearing below.

The hook assembly **10**, for mounting in the wall W, has a housing **20** which includes a back wall **22** and opposite side walls, **24**, **26**. The housing is of generally U-shape when viewed from the ends, as seen in FIG. 1, with the back wall **22** forming the bight portion of the U, and the side walls forming the arms thereof, the side walls being arranged substantially perpendicularly with respect to the back wall and substantially parallel to one another. Each side wall is substantially rectangular, and the walls have outer end portions **28**, and top and bottom ends **30**, **32**. Outwardly extending flanges **34** are provided on each of the outer end portions **28** of the side walls, the flanges extending the full length of the end portions and having plural openings **36** formed therein.

Referring to FIG. 2, as shown therein, the housing **20** is mounted to the interior structure **12** of the walls W beneath the paneling **16**, with the back wall **22** and the space between the side walls **24** and **26** aligned with the slot **18**. Means, such as nails **38**, is extended through the openings **36** to secure the flanges to the interior structure.

A cross pin **40**, shown in the form of a double headed rivet, is extended between the side walls of the housing intermediate the top and bottom ends **30** and **32** thereof, and adjacent the back wall **22**. A second pivot pin **42** of similar form, extends between the side walls of the housing, and as shown in FIG. 1, is arranged forwardly and below the location of the cross pin **40**.

A hook member **44**, formed of an elongated blank of metallic stock is pivotally secured on the pin **42** which extends through an opening **46** therein. The hook member includes a substantially straight outer end edge **48**, and has an outer hook portion **50** with an inner wall **52**, the hook portion being arranged such that its general longitudinal extent is substantially perpendicular to the outer end edge **48** of the hook member. The hook member further includes an inner end edge **53** which slopes upwardly away from the hook and terminates in a point portion **54** at its juncture with an interior storage abutment **56**. An interior support abutment edge **58** extends in perpendicular relation to the edge **56** to the terminal end **60** of the hook member.

With reference to FIGURES 2 and 5, as shown therein the hook member is pivotal from a storage position shown in FIGURE 2, wherein the outer end edge **48** is recessed with respect to the outer surface **16** of the paneling **14**, and wherein the edge **56** abuts the cross pin **40** to maintain the same in position, to an extended position (FIGURE 5) for use in supporting a floral display F or the like. In this operational position, the edge **48** is substantially perpendicular with respect to the surface **16**, and the support abutment edge **58** bears against the cross pin to maintain the same in position.

As is inherent in the description above, it will be noted that the operation merely involves movement of the device from storage to operational positions by an inward force applied to the edge **48**, whether above or below the pivot thereof, depending on the position desired. The sloping wall **53** terminating in the pointed portion **54**, in addition to supplying the necessary relationship of the abutment walls **56**, **58** with respect to one another to maintain the device in its alternative positions, also provides an appropriate weight distribution for the pivoting of the device about this axis. In the folded, storage position, the device is unobtrusive, and does not detract from the appearance of the wall surface, and in its extended operational position, as shown in FIGURE 5, the article to be supported is held in spaced relationship to the surface **16**, thereby avoiding damage to the surface from moisture, scratching, or the like.

Having described and illustrated one form of this invention in some detail, it will be understood that this description and illustration are offered merely by way of example, and that the invention is to be limited in scope only by the appended claims.

What I claim is:

1. A retractable hook assembly mounted in a wall construction which includes an interior structure and facing material secured over the interior structure, the facing material having an outer surface and having a vertically extending slot formed therein, the hook assembly comprising:

a housing including a back wall and side walls;

the side walls having outer end portions and top and bottom ends;

flange means on the side walls, the flanges each having a plurality of openings formed therein;

means extending through the flange openings connecting the flanges to the interior structure of the wall, with the flanges located between the interior structure and the facing material thereof;

a cross pin extended between the side walls of the housing intermediate the top and bottom ends thereof and adjacent the back wall;

a pivot pin extending between the side walls of the housing forwardly and below the location of the cross pin;

a hook member pivotally secured on the pivot pin and swingable through the slot, the hook member including a substantially straight outer end edge, an outer hook substantially perpendicular to the outer end edge, an inner edge sloping upwardly away from the hook, an interior support abutment edge, a storage abutment edge substantially perpendicular to the support abutment edge; and

the hook member being pivoted from a storage position wherein its outer end edge is recessed with respect to the outer surface of the facing material and the storage abutment edge contacts the cross pin, to an operational extended position wherein the outer end edge is substantially perpendicular to the facing material outer surface and the support abutment edge contacts the cross pin.

2. A retractable hook assembly for supporting flower containers mounted in a wall construction which includes an interior structure and facing material secured over the interior structure, the facing material having an outer surface and having a vertically extending slot formed therein, the hook assembly comprising:

a housing including a back wall and elongated, substantially rectangular side walls arranged substantially perpendicularly with respect to the back wall and substantially parallel to one another;

the side walls having outer end portions, and top and bottoms ends;

an outwardly extending flange on the outer end portion of each side wall, the flanges each having a plurality of openings therein;

means extending through the flange openings connecting the flanges to the interior structure of the wall, with the flanges located between the interior structure and the facing material thereof;

a cross pin extended between the side walls of the housing intermediate the top and bottom ends thereof and adjacent the back wall;

a pivot pin extending between the side walls of the housing forwardly and below the location of the cross pin;

a hook member pivotally secured on the pivot pin and swingable through said slot, the hook member including a substantially straight outer end edge, an outer hook substantially perpendicular to the outer end edge, an inner end edge sloping upwardly away from the hook, an interior support abutment edge, a storage abutment edge substantially perpendicular to the support abutment edge; and

the hook member being pivoted from a storage position wherein its outer end edge is recessed with respect to the outer surface of the facing material and the storage abutment edge contacts the cross pin, to an operational extended position wherein the outer end edge is substantially perpendicular to the facing material outer surface and the support abutment edge contacts the cross pin.

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