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SHELF AND POLE BRACKET

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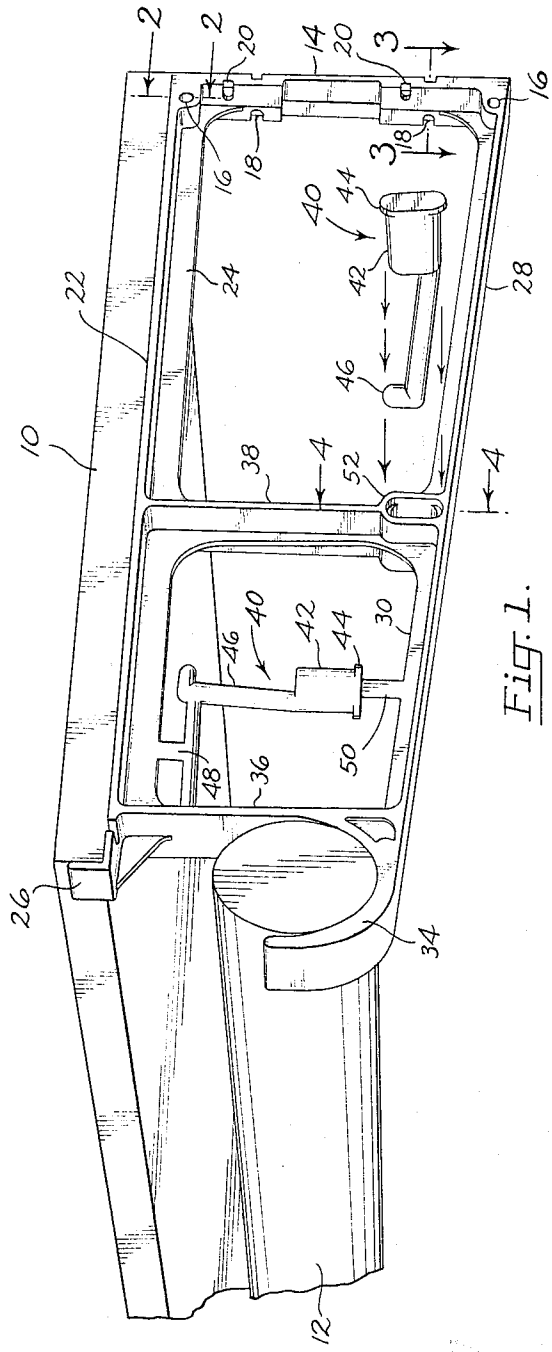


Fig. 1.

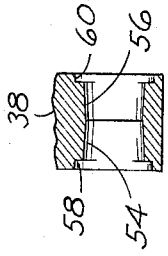


Fig. 4.

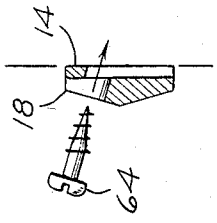


Fig. 3.

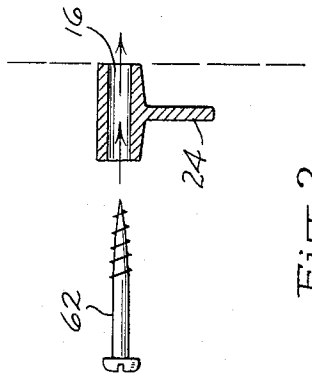


Fig. 2.

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SHELF AND POLE BRACKET

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This invention relates to a shelf and pole bracket.

The general object of the invention is to provide a bracket which, when used in combination with another like bracket, may be used to advantage in mounting a shelf and clothes pole in a closet or similar location, replacing the conventionally used shelving, wood hook strips and pole holders.

It is a further object of this invention to provide a shelf and pole bracket which is universal in its application, a single form of the bracket being applicable to right hand, left hand, or center applications for either free standing or corner support.

It is still a further object of this invention to provide a shelf and pole bracket incorporating one or more clothes hooks which likewise are universal in their application, being mountable on either side of the bracket.

Yet another object of this invention is to the provision of a shelf and pole bracket which is of unitary construction, strong, of attractive appearance and rapidly installed, using a minimum amount of a carpenter's time.

The manner in which the foregoing and other objects of this invention are accomplished will be apparent from the accompanying specification and claims considered together with the drawings, wherein:

FIG. 1 is a fragmentary, perspective view of a closet shelf and pole assembly supported on the presently described bracket;

FIGS. 2 and 3 are detail sectional views taken along lines 2—2 and 3—3 of FIG. 1 respectively and illustrating the manner of mounting the bracket and

FIG. 4 is a detailed sectional view taken along line 4—4 of FIG. 1 and illustrating the construction of a novel socket employed for mounting a clothes hook on each side of the bracket.

As indicated in FIG. 1, the shelf and pole bracket of my invention is adapted for supporting a shelf **10** and a clothes pole **12** in a closet or other suitable location. The closet may have the usual back and side walls, and the bracket may be mounted either centrally, being supported by the back wall only, or in one corner, being in that event supported by the side wall as well as by the back wall.

The bracket is formed with an upright base **14** having enlarged upper and lower portions to provide the requisite strength. Each of these portions is provided with an opening **16** arranged transversely of the longitudinal axis of the bracket. Top and bottom pairs of openings **18**, **20** also are provided in the thickened upper and lower portions of the base. These openings are arranged diagonally in opposite directions.

Base **14** supports a horizontally extending shelf arm **22** provided with a strengthening rib **24**. The outer end of the arm is formed with a vertically extending tab **26** which serves as a retainer for shelf **10**.

A brace arm **28** also is supported by base **14** and extends outwardly therefrom a spaced distance below shelf arm **22**. It likewise has a stiffening rib **30**. Its outer end is formed with an integral, upwardly arcuate pole socket **34** dimensioned to receive and support one end of pole **12**.

The bracket is strengthened by one or more vertically extending struts **36**, **38** which interconnect shelf arm **22** and brace arm **28**.

The bracket assembly also includes a clothes hook indicated generally at **40**. This member of the assembly includes a tapered base **42** having a marginal flange **44** and an axially extending hook **46**.

In the manufacture of the bracket the hook may be cast contemporaneously with the bracket as an integral part thereof, being demountably attached by means of web members **48**, **50**. These are formed with thined portions at their ends so that the hook may be broken out of the bracket when it is to be applied, the web members being discarded.

Means are provided for mounting hook **40** on one side or the other of the bracket, as the situation may demand.

The hook mounting means comprises a socket located in a selected location on the bracket, such as an enlarged portion **52** of strut **38**. The socket is illustrated particularly in FIG. 4. It comprises an opening extending transversely through the bracket and consisting of two outwardly tapered opposed sections **54**, **56** terminating in marginal recesses **58**, **60**, respectively.

The tapered sections of the socket are dimensioned to receive the tapered base **42** of hook **40**, with flange **44** of the hook seating in one of recesses **58**, **60** further to stabilize the hook.

After it has been detached from the supporting webbing, the hook may be inserted entirely through the socket until its tapered base wedges in the tapered socket, as is shown in FIG. 1. The direction of insertion may be from either side of the bracket, depending upon whether it is desired to have the hook project inwardly or outwardly.

The bracket may be mounted using spur type fasteners such as drive screws **62**, **64**, as shown in FIGS. 2 and 3.

If the bracket is to be mounted in a central location not in a corner, diagonally arranged openings **18**, **20** are employed and transverse openings **16** remain idle. Screws **64** are driven through the diagonal openings into the underlying wall to support the bracket. In view of the diagonal arrangement of openings **18**, **20**, this may be accomplished easily without inteference from the bracket. Also, since four screws are involved, the bracket is secured effectively to the support.

Where a corner installation of the bracket is contemplated, screws **64** are driven through the exposed, accessible ones of openings **18**, **20**. In addition, screws **62** are driven through transverse openings **16** into the side wall supporting structure. This securely mounts the bracket so that heavy loads may be applied to the shelf and clothes pole which it supports.

There thus is provided a bracket which is completely universal in its application. It has no right or left and may be installed with facility on either side or the center portion of the closet. Hook **40** likewise is universal in its application and may be extended on either side of the bracket as the situation demands. In addition, the bracket may be installed rapidly and economically, using but a few minutes of a carpenter's time to drive the anchoring screws.

In accordingly will be seen that there is provided an apparatus in which the several objects of this invention are achieved and which is well adapted for the conditions of practical use.

It is to be understood that the form of my invention herein shown and described is to be taken as a preferred example of the same and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of my invention or the scope of the subjoined claims.

Having thus described my invention, I claim:

1. A shelf and pole bracket comprising
   (a) an upright base,
   (b) a shelf support arm extending horizontally from and supported by the base,
   (c) a brace arm extending horizontally from and supported by the base a spaced distance vertically from the shelf support arm,

(d) the brace arm being formed at its outer end with an integral pole socket,

(e) at least one strut interconnecting the shelf support and brace arms and

(f) securing means for securing the base to a structural support.

2. The shelf and pole bracket of claim 1 wherein the bracket is adapted to be mounted in a corner defined by a back and side wall, the back surface of the base being positioned flush against the back wall and the side surface of the base being positioned flush against the side wall, the base being provided with side and back transverse openings, the securing means comprising spur fasteners dimensioned to extend through selected ones of the openings and into the wall.

3. The shelf and pole bracket of claim 1 wherein the bracket is adapted to be mounted in a corner defined by a back and side wall, the back surface of the base being positioned flush against the back wall and the side surface of the base being positioned flush against the side wall, the base being provided with side and back transverse openings, the securing means comprising spur fasteners dimensioned to extend through selected ones of the openings and into the wall, the side opening being provided in oppositely-directed, diagonally-arranged pairs, on the right and left sides of the base, thereby making the bracket universally mountable in right and left hand corners.

4. The shelf and pole bracket of claim 1 wherein one of the arms is provided with a central transverse opening, and including a clothes hook comprising a hook part and a base part, the base part being dimensioned to be seated in the opening.

5. The shelf and pole bracket of claim 1 wherein one of the arms is provided with a central transverse wedge-shaped opening, and including a clothes hook comprising a hook part and a wedge-shaped base part, the base part being dimensioned to be wedged in the opening.

6. The shelf and pole bracket of claim 1 wherein the brace arm has a central transverse opening therethrough, the opening being oppositely tapered to provide tapered sockets, one on each side of the arm, and including a clothes hook comprising a hook part and a base part, the base part being wedge-shaped and dimensioned to wedge in a selected one of the sockets, thereby determining the direction of outward extension of the hook part.

7. The shelf and pole bracket of claim 1 wherein the brace arm has a central transverse opening therethrough, the opening being oppositely tapered to provide tapered sockets, one on each side of the arm, and including a clothes hook comprising a hook part and a base part, the base part being wedge-shaped and dimensioned to wedge in a selected one of the sockets, thereby determining the direction of outward extension of the hook part, each socket being provided with a marginal recess and the base part being provided with a flange dimensioned to seat in the recess.

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