Dec. 14, 1965 V. M. JAFELICE 3,223,467

PILLAR BRACKET ATTACHMENT

Filed July 1, 1963 2 Sheets-Sheet 1

Fig. 1

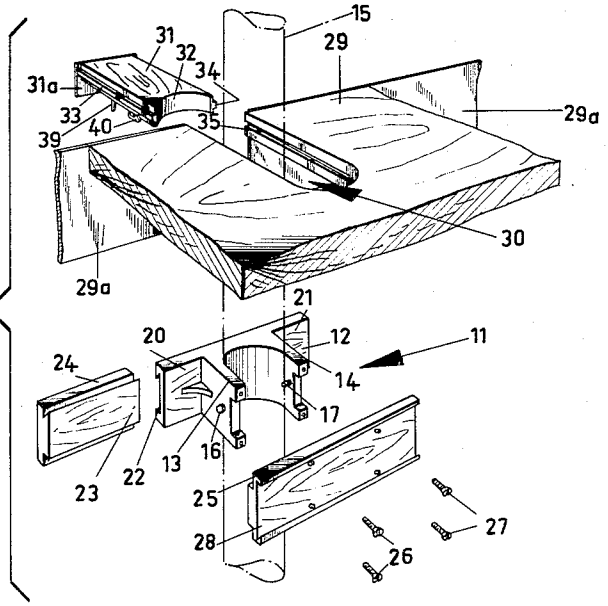


Fig. 2

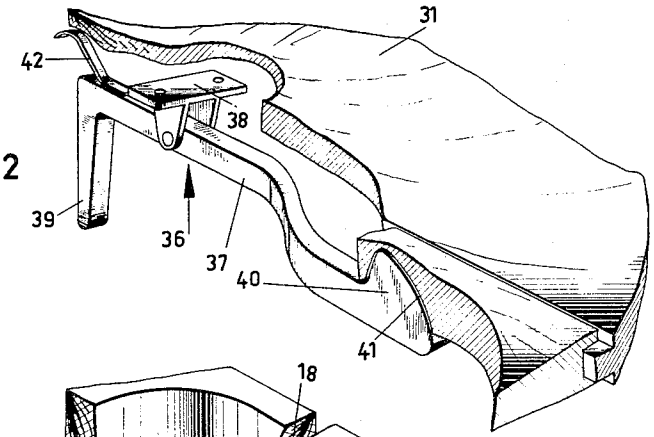
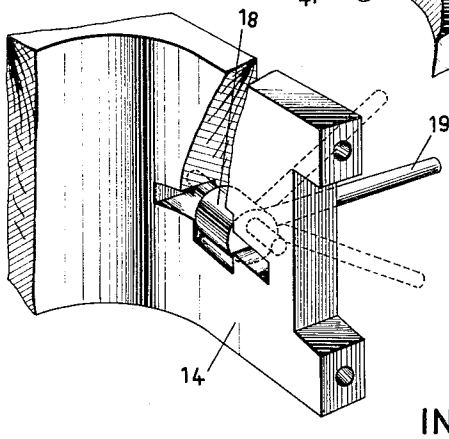


Fig. 3



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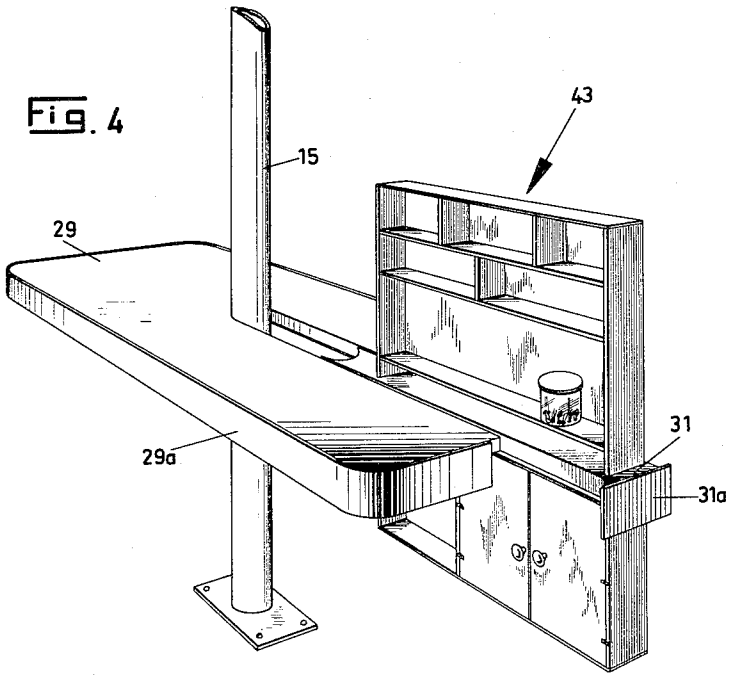
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Fig. 4



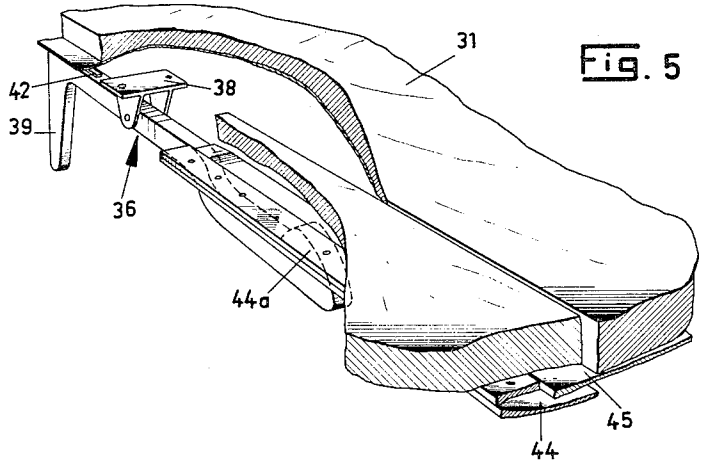


Fig. 5

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PILLAR BRACKET ATTACHMENT

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4 Claims. (Cl. 312—253)

This invention relates to improvements in means for providing supports for working areas such as tables, counters and the like.

It is quite conventional in the provision of work benches and the like in home basements to have such tables and benches free standing, that is, supported entirely on attached legs. In some instances, however, the work bench or other table is secured along one wall of a basement room in order to add extra stiffness and support.

It has been found by the practice of the present invention that vertical pillars or posts may be conveniently utilized to provide support for a working or storage area, whereby all sides of such a working area are accessible. It is contemplated that the steel or iron pipe type of post may be employed as a table support since this type of pillar is in widespread common use in basements.

Accordingly it is the object of the present invention to provide a pillar bracket which is adapted to support a working surface thereon in cooperation with a vertical pillar.

It is a further object of this invention to provide a pillar bracket for the support of working and storage areas, said areas being readily removable from said bracket for storage purposes.

The invention seeks to accomplish these and other objects and features, such as will be apparent from the following detailed description and accompanying drawings, by the provision of a U-shaped clamp fitting about a vertical pillar and including extending arms together with a transverse beam secured to said U-shaped bracket, the bracket being adjustably positioned on said pillar.

In the drawings:

FIG. 1 is an exploded perspective view of one preferred embodiment of this invention.

FIG. 2 is a fragmentary perspective, part cutaway section of the table and insert illustrated in FIG. 1 showing particularly the spring loaded locking device.

FIG. 3 is a fragmentary perspective, part cutaway section of a side jaw of the U-shaped clamp illustrated in FIG. 1 showing particularly one eccentric cam and its clamping handle as a suggested alternate method of securing the clamp to the pillar.

FIG. 4 is a perspective view of a table attached to a pillar, with the insert withdrawn and showing a particular configuration of shelves and cabinet attached to the insert.

FIG. 5 is a fragmentary perspective part cutaway section of the table and insert showing an alternate method of attaching the insert to the table.

Having reference to the drawings, FIG. 1 illustrates a pillar bracket indicated generally as **11** and comprises a U-shaped clamp indicated as **12** having side jaws **13** and **14** disposed about a vertically positioned pillar **15** shown in phantom.

Jaws **13** and **14** are provided with set screws **16** and **17** respectively whereby screws **16** and **17** may be tightened down on to pillar **15**. It will be understood that although set screws **16** and **17** are illustrated, other means may be employed in order to secure clamp **12** to pillar **15**.

Referring to FIG. 3, a suggested alternate method of securing clamp **12** to pillar **15** is by means of eccentric cams **18** fitted into slots cut out of both jaws **13** and **14** and operated by means of clamping handles **19** affixed

to said cams **18**. When said handles **19** are pulled down, the larger radius side of the eccentric cams **18** are moved into firm contact with the outer circumference of the pillar **15**, thus securing clamp **12** in the desired position with respect to pillar **15**. The clamp **12** can easily be released by pushing said handles **19**, when because of the configuration of the eccentric cams **18**, pressure by said eccentric cams **18** against the pillar **15** is removed.

Referring again to FIG. 1, a pair of side arms **20** and **21** extend horizontally from clamp **12** and are provided with a dovetail slot indicated as **22** along outer face thereof. Slot **22** is adapted to receive a dovetail slide **23** to which a unit **24** may be secured. It is to be further understood that unit **24** may be of any conventional or special design depending upon the use for which it is intended.

A track support beam **25** is secured to the open end of clamp **12** in this preferred embodiment by means of screws **26** and **27**. The track support beam **25** is provided with a dovetail slot **28** which extends substantially the length thereof and has the same purpose as slot **22**, that is to receive a dovetail slide secured to a desirable type of shelving or storage compartment.

In this preferred embodiment, bracket **11** also supports a table surface that has a short apron indicated as **29***a* fitted to its outer edges and extending downwardly at right angles to the surface of the table. Table surface **29** also has a cut out indicated as **30** whereby said table surface **29** may be rotatably disposed about pillar **15**. It is preferable to provide a table insert **31** for table **29** that has an apron **31***a* fitted to its outer edge and extending downwardly at right angles to the surface of the table insert **31** the same distance as that of apron **29***a* so that a continuity of apron is provided when the table insert **31** is fitted to table **29**. Table insert **31** has a curved end **32** which is adapted to fit about post or pillar **15** and is provided with tongues **33** and **34** which are adapted to fit in groove **35** in table **29**. In order to hold the table **29** and the table insert **31** firmly together and to obviate the possibility of the table **29** and insert **31** sliding apart because of stresses and strains that may be encountered under certain conditions of usage, a spring loaded locking device **36** is incorporated as part of this preferred embodiment. Referring to FIG. 2, the locking device **36** which is conventionally attached to the lower surface of the insert **31** consists of a metal arm **37** pivotably fitted to the mounting bracket **38** and having at its outer end a release handle **39** extending downwards at substantially right angles to the metal arm **37**. The inner end of the arm **37** is offset and formed in the shape of a catch **40** that will ride against the lower surface of the table **29**, and will fall into a matching groove **41** when table insert **31** is at the end of its travel. The catch **40** is held firmly in place by means of a flat metal spring **42** that is fitted to the upper side of the outer end of the metal arm **37**, locking the table **29** and insert **31** in position. The locking device **36** is easily released by moving the release handle **39** against the pressure of the spring **42** until the catch **40** is forced out of the matching groove **41**.

Again it is understood that various types of table surfaces may be employed, table surface **29** being illustrated by way of example only.

In use clamp **12** can be positioned on pillar **15**, the vertical height of clamp **12** being adjusted to accommodate the desired table height, whereafter set screws **16** and **17** may be tightened to engage frictionally on pillar **15** to hold clamp **12** in place. Track support beam **25** may thereafter be secured in place by means of screws **26** and **27** at which time the completed pillar bracket **11** is ready to receive the types of table surfaces or other storage compartments as required.

It will be seen that dovetail slide **23** may be secured to different types of cupboards and storage areas, the slide **23** being readily inserted in one of the dovetail slots **22** and **28**. Table surface **29** may then be positioned about pillar **15** and on top of bracket **11** whereafter insert **31** may be installed to complete surface **29**.

FIG. 4 illustrates a particular embodiment of this invention utilizing the pillar bracket **11** and pillar **15** for support, and shows shelves and cabinet **43** attached to the table insert **31**, being slid into position on the table **29** to form a complete working and storage area.

FIG. 5 illustrates an alternate method of attaching the table insert **31** to the table **29**. Table **29** has a guide runner **44** and spacer **44***a* extending longitudinally on either side of the cutout **30** and secured to the lower surface of said table **29**. The guide runners **44** and spacer **44***a* extend from the outer edge of the table **29** approximately half the length of the cutout **30**. The locking device **36** is attached to the lower surface of the flange **45** and is operated in a similar manner to that described in the tongue and groove configuration of table **29** and insert **31**.

In another embodiment of this invention it was desired to have a home liquor bar in a basement recreation room the room having a vertical post or pillar such as steel pillar **15** therein. A clamp substantially as shown in the illustrations was provided on a vertical pillar whereafter suitable storage compartments and shelving were fitted into the dovetail slots and a bar counter surface was then installed on top of bracket **11**. This then provided a convenient area which was accessible from all sides and in addition could be dismantled and stored if so desired.

It will be understood that the design of the bracket as illustrated in the illustrations is a preferred embodiment only and that other means of providing clamp **12** are contemplated, thus the clamp **12** may be made into halves, that is to say, a portion of the clamp on arms **20** and another portion of the track support beam **25**, the two halves placed in cooperative relationship one with the other whereby suitable set screws may be employed to clamp the bracket to post **15**.

It will be further understood that although a preferred embodiment of this invention has herein been described and illustrated that the invention also contemplates such variations in design as may fall within the scope of the following claims.

The embodiments of this invention in which an exclusive property or privilege is claimed are defined as follows:

1. A pillar bracket for the support of working and storage areas and comprising; a U-clamp for fitting about a vertical pillar; side arms extending horizontally from the closed end of said clamp; a track support beam located across the open end of said clamp; means for securing said beam to said clamp about said pillar; means for securing said clamp to said pillar; and dovetail slots in said arms and said beam.

2. A pillar bracket for the support of working and storage areas and comprising; a U-clamp for fitting about a vertical pillar; side arms extending horizontally from the closed end of said clamp; a track support beam located across the open end of said clamp; dovetail slots in said arms and said beam; means for securing said beam to said clamp about said pillar; and a counter surface supported by said bracket and including a covered slot therein for fitting about said pillar.

3. A pillar bracket for the support of working and storage areas and comprising; a U-clamp for fitting about a vertical pillar; side arms extending horizontally from the closed end of said clamp; a track support beam located across the open end of said clamp; dovetail slots in said arms and said beam; means for securing said beam to said clamp about said pillar; means for securing said clamp to said pillar; a counter surface supported by said bracket and including a covered slot therein for fitting about said pillar; and cupboards slidably positioned in said slot whereby said bracket supports said cupboards.

4. A pillar bracket for the support of working and storage areas and comprising; a U-clamp adjustably positioned vertically on a pillar; side arms extending horizontally from the closed end of said clamp; a track support beam located across the open end of said clamp; dovetail slots in said arms and said beam; means for securing said beam to said clamp about said pillar; and means for securing said clamp to said pillar.

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