Sept. 13, 1966 E. WITTROCK 3,272,468

SUPPORT BRACKET FOR PERFORATED BOARDS

Filed March 30, 1965

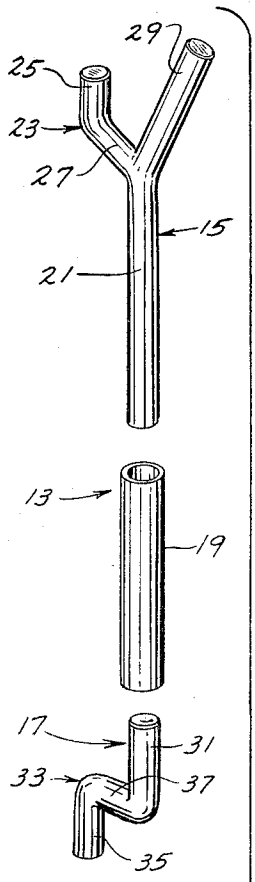


Fig. 1

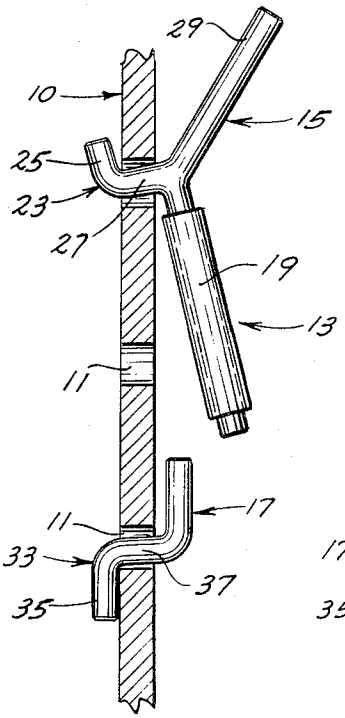


Fig. 2

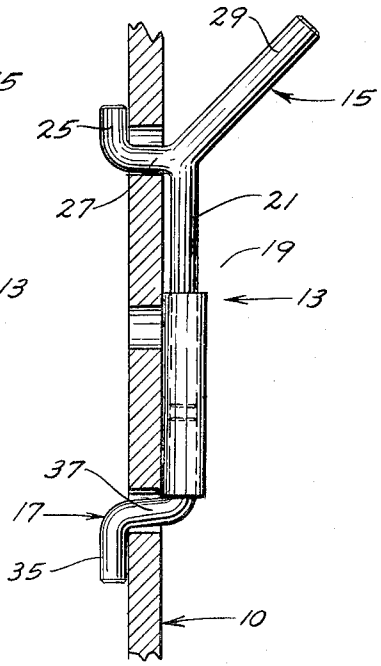


Fig. 3

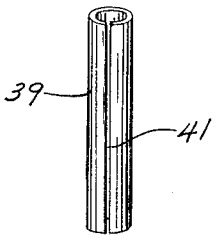


Fig. 4

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United States Patent Office 3,272,468 Patented Sept. 13, 1966

3,272,468

SUPPORT BRACKET FOR PERFORATED BOARDS

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Filed Mar. 30, 1965, Ser. No. 443,963
6 Claims. (Cl. 248—225)

This invention relates to a support bracket and more particularly to a support bracket for perforated boards and the like.

Perforated boards or "peg boards" as they are commonly called are used in stores, workshops and the like for purposes of displaying merchandise and supporting tools, etc. Small supporting brackets are inserted into the perforations of the board to support whatever is to be displayed. One of the objections of these supporting brackets is that they frequently pull out of the perforations as the article is being removed from the board.

Therefore, it is a principal object of this invention to provide a support bracket for perforated boards and the like.

A further object of this invention is to provide a support bracket for perforated boards which will not be inadvertently pulled from the board.

A further object of this invention is to provide a support bracket for perforated boards which is comprised of detachably secured together bracket members.

A further object of this invention is to provide a support bracket for perforated boards which is quickly and easily attached to or detached from the perforated board.

A further object of this invention is to provide a support bracket for perforated boards which is economical of manufacture, durable in use and refined in appearance.

These and other objects will be apparent to those skilled in the art.

This invention consists in the construction, arrangements, and combination of the various parts of the device, whereby the objects contemplated are attained as hereinafter more fully set forth, specifically pointed out in the claims, and illustrated in the accompanying drawings, in which:

FIG. 1 is an exploded perspective view of the support bracket;

FIG. 2 is a side elevational view of the support bracket as it is being installed on a perforated board shown in section;

FIG. 3 is a side elevational view of the support bracket mounted on a perforated board shown in section; and

FIG. 4 is a perspective view illustrating the modification of the sleeve means portion of the support bracket.

The numeral **10** generally designates a perforated board having a plurality of perforations **11** formed therein. The numeral **13** generally designates the support bracket and includes bracket members **15** and **17** and sleeve means **19**.

Bracket member **15** is comprised of an elongated shank **21** and a head **23** offset rearwardly from the upper end therefrom. Head **23** includes a substantially vertical portion **25** and a substantially horizontal portion **27**. As seen in the drawings, a supporting arm **29** extends outwardly from bracket member **15**. Supporting arm **29** is shown to be elongated in the drawings but could be designed in any shape or configuration to fit the particular design of the item to be displayed.

Bracket member **17** is comprised of an elongated shank **31** and a head **33** offset rearwardly from the upper end thereof. Head **33** includes a substantially vertical portion **35** and a substantially horizontal portion **37**.

With respect to FIG. 4, the numeral **39** generally designates a modified sleeve means. Sleeve means **39** is substantially identical to sleeve means **19** except that it has been slit at **41** along its length.

The normal method of operation is as follows: Head **23** of bracket member **15** is inserted through a perforation **11** as illustrated in FIG. 2. Head **33** of bracket member **17** is inserted through a second perforation **11** slidably mounted on shank **21** during periods of non use and during the time the bracket is being mounted on the perforated board. Assuming that sleeve means **19** is embracing shank **21** as seen in FIG. 2, sleeve means **19** would be slidably moved so that it slidably embraced shanks **21** and **31** as seen in FIG. 3. As seen in the drawings, sleeve means **19** is longer than shank **31** while shank **21** is longer than shank **31**. When the lower end of sleeve means **19** engages horizontal portion **37** of head **33**, the upper end of sleeve means **19** extends above the lower end of shank **21** and the upper end of shank **31** to positively maintain shanks **21** and **31** in an end-to-end relationship.

The modification seen in FIG. 4 permits the sleeve means to be conveniently "snapped" onto shanks **21** and **31**. Sleeve means **39** is simply placed adjacent shanks **21** and **31** so that slit **41** engages the same and inward pressure is applied thereto. Slit **41** permits sleeve means **39** to open up to receive shanks **21** and **31**.

It should be noted that either of bracket members **15** or **17** can have the supporting arm **29** extending therefrom. Bracket members **15** and **17** can be of any cross-sectional shape and the shape of sleeve means **19** would be modified accordingly. Bracket members **15** and **17** and sleeve means **19** and **39** may be constructed of any suited material such as metal or plastic.

It can be seen that once the support bracket is installed or mounted on the perforated board as described above, the support bracket cannot be inadvertently pulled from the board. Any outward pressure on the support bracket causes the vertical portions **23** and **33** of heads **23** and **33** respectively to engage the rearward surface of perforated board **10**. It can be seen in FIG. 3 that the precise engagement of bracket members **15** and **17** with the perforated board positively prevents the inadvertent removal of the support bracket from the perforated board. The only way the support bracket may be removed from the perforated board is to slidably move sleeve means **19** so that shanks **21** and **31** are no longer detachably secured together. Thus it can be seen that the device accomplishes at least all of its stated objectives.

Some changes may be made in the construction and arrangement of my support bracket for perforated boards without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claims, any modified forms of structure or use of mechanical equivalents which may be reasonably included within their scope.

I claim:

1. In a support bracket,

a first bracket member having an elongated shank and a head portion offset rearwardly therefrom which is adapted to be detachably received by one aperture in a sheet member having a plurality of apertures formed therein,

a second bracket member having an elongated shank and a head portion offset rearwardly therefrom which is adapted to be detachably received by another of the apertures in the sheet member,

and a sleeve means embracing said shanks and extending therebetween,

at least one of said first and second bracket members having a hook member extending forwardly therefrom.

2. In a support bracket,

a first bracket member having an elongated shank and a head portion offset rearwardly therefrom which is adapted to be detachably received by one aperture in

a sheet member having a plurality of apertures formed therein,
a second bracket member having an elongated shank and a head portion offset rearwardly therefrom which is adapted to be detachably received by another of the apertures in the sheet member,
and a sleeve means embracing said shanks and extending therebetween,
at least one of said first and second bracket members having a hook member extending forwardly therefrom,
said sleeve means being elongated and split along its length.

3. In a support bracket,
a first bracket member having an elongated shank and a head portion offset rearwardly therefrom which is adapted to be detachably received by one aperture in a sheet member having a plurality of apertures formed therein,
a second bracket member having an elongated shank and a head portion offset rearwardly therefrom which is adapted to be detachably received by another of the apertures in the sheet member,
and a sleeve means embracing said shanks and extending therebetween,
at least one of said first and second bracket members having a hook member extending forwardly therefrom,
said sleeve means being slidably mounted on one of said shanks and being adapted to slidably embrace the other shank to maintain said shanks in an aligned end to end relationship to maintain said first and second bracket members on the sheet member.

4. In a support bracket,
a first bracket member having an elongated shank and a head portion offset rearwardly therefrom which is adapted to be detachably received by one aperture in a sheet member having a plurality of apertures formed therein,
a second bracket member having an elongated shank and a head portion offset rearwardly therefrom which is adapted to be detachably received by another of the apertures in the sheet member,
at least one of said first and second bracket members having a tool supporting means extending outwardly therefrom,
and means detachably embracing said shanks to maintain said shanks together in an end to end relationship,
and a hollow sleeve means detachably embracing a portion of said shanks to secure said shanks together in an end to end relationship.

5. In a support bracket,
a first bracket member having an elongated shank and a head portion offset rearwardly therefrom which is

adapted to be detachably received by one aperture in a sheet member having a plurality of apertures formed therein,
a second bracket member having an elongated shank and a head portion offset rearwardly therefrom which is adapted to be detachably received by another of the apertures in the sheet member,
at least one of said first and second bracket members having a tool supporting means extending outwardly therefrom,
and means detachably embracing said shanks to maintain said shanks together in an end to end relationship,
and a hollow sleeve means detachably embracing a portion of said shanks to secure said shanks together in an end to end relationship,
one of said elongated shanks being longer than the other elongated shank,
said sleeve means being longer than the shortest shank and shorter than the longest shank.

6. In a support bracket,
a first bracket member having an elongated shank and a head portion offset rearwardly therefrom which is adapted to be detachably received by one aperture in a sheet member having a plurality of apertures formed therein,
a second bracket member having an elongated shank and a head portion offset rearwardly therefrom which is adapted to be detachably received by another of the apertures in the sheet member,
at least one of said first and second bracket members having a tool supporting means extending outwardly therefrom,
and means detachably embracing said shanks to maintain said shanks together in an end to end relationship,
and a hollow sleeve means detachably embracing a portion of shanks to secure said shanks together in an end to end relationship,
one of said elongated shanks being longer than the other elongated shank,
said sleeve means being substantially the same length or shorter than the longest shank.

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