Dec. 11, 1951 S. R. WIRTH 2,577,988

DISPLAY BOARD

Filed Sept. 11, 1948

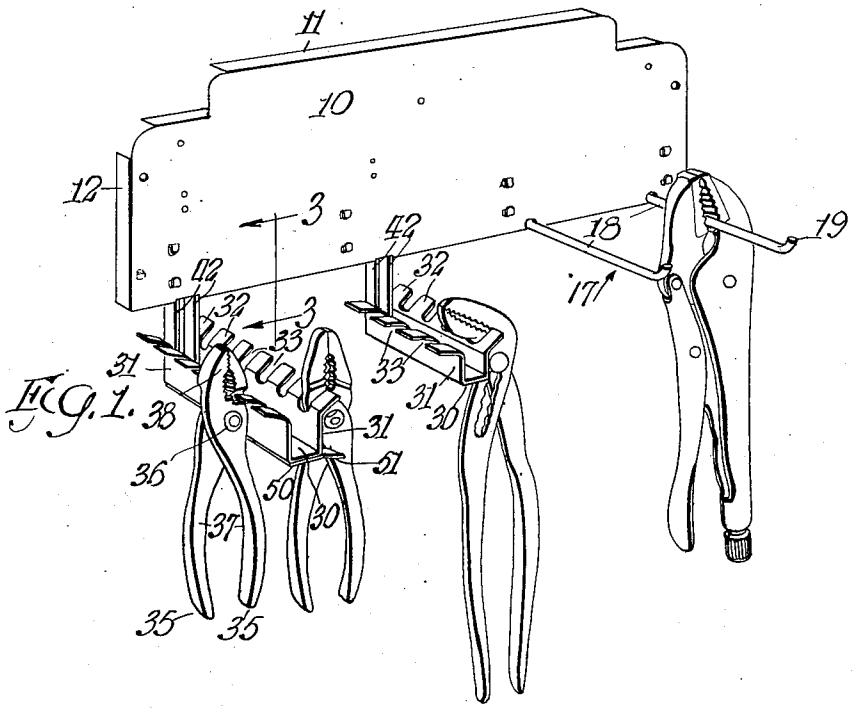


FIG. 1.

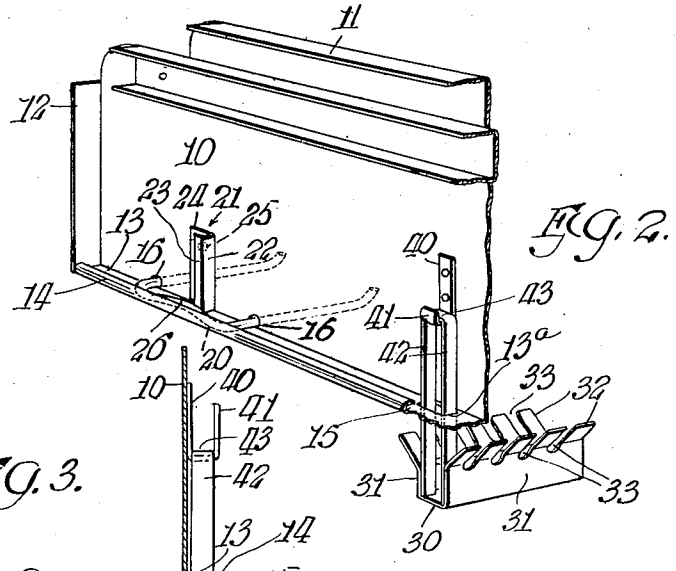


FIG. 2.

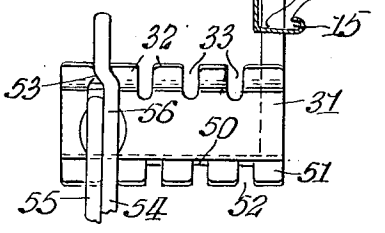


FIG. 3.

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Patented Dec. 11, 1951 2,577,988

UNITED STATES PATENT OFFICE

2,577,988

DISPLAY BOARD

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Application September 11, 1948, Serial No. 48,795

5 Claims. (Cl. 211—86)

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This invention relates to improvements in display boards and it consists of the matters hereinafter described and more particularly pointed out in the appended claims.

The boards with which the present invention is more especially concerned includes a supporting panel and members that project forwardly from the bottom of the board for the hanging support of the articles displayed on the board. A display board of this general type is illustrated and described in Patent 1,998,243 of April 16, 1935 to Herbert H. Krueger.

One of the objects of the present invention is to provide an improved structure for attaching the article supporting hangers from the panel of the board and this in a manner whereby the hangers are better able to withstand the load of the articles supported and will not so easily loosen up from the panel.

A further object of the invention is to so form the panel with a part which not only stiffens the same better to resist warping, but which part also is employed for engagement by portions of the hangers to resist the tendency of the hangers to tip under the weight of the articles supported thereby.

A further object of the invention is to provide means for association with a display board of this general type whereby it is possible to hang heavier items without displacing the wire hanger.

Again, it is an object of the invention to provide means associable with a display board of this general type and where pliers of different types can be held firmly in place and yet can be readily removed when required.

The above mentioned objects of the invention, together with others, as well as the several advantages thereof, will more fully appear as the specification proceeds.

In the drawing:

Fig. 1 is a perspective view of a display board embodying the invention, as viewed from the front.

Fig. 2 is a fragmentary rear perspective of the display board of Fig. 1, on a scale slightly enlarged over that of Fig. 1, the articles shown in Fig. 1 being omitted, and

Fig. 3 is a detail view on the line 3—3 of Fig. 1, but on a larger scale.

The improved display board includes a sheet metal panel 10 which is provided at its top and ends with rearwardly extending flanges 11 and 12 respectively. Rearwardly from the bottom of panel 10 there extends a ledge 13, the rear margin of which is turned back upon, but spaced above, the ledge to form a forwardly extending flange 14, which not only stiffens the ledge but also defines a forwardly opening groove or channel 15. As shown, the panel is provided with a pair of longitudinally spaced openings 16, the bottoms

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of which are substantially flush with the top of the ledge, as best appears in Fig. 2.

Associated with the panel is a hanger 17 for cooperating with the openings 16. Each hanger is made of a length of wire bent into substantially a U-shape so as to include a pair of laterally spaced side legs 18—18 each of which is turned upwardly at its front free end as a hook 19, the other end of said legs being operatively connected together by a cross member 20. This member spaces the legs apart a distance corresponding to the distance between the openings 16 of each pair. The wire from which the hangers are made is of such a diameter as to readily pass through the openings, as well as to permit entry of the cross bar 20 into the groove 15 from the open front thereof.

On the back of the panel and disposed in a vertical plane between the axes of the opening 16 of each pair is pivotally mounted a hanger confining member 21, which includes a web 22 and front and rear flanges 23—24, with the rear flange 24 being pivotally mounted on the panel by a rivet 25. The web 22 is of such width that when the member 21 stands in the upright position shown in Fig. 2, the front flange 23 engages the central bowed portion 26 of the member 20.

To apply the hanger to the panel the hanger confining member 21 is swung into substantially horizontal position wherein its bottom end is spaced above the ledge 13. A hanger 17 is then taken in hand and from the rear of the panel the hooks 19—19 are passed through the associated pair of openings 16, while the hanger is disposed at an angle extending upwardly and rearwardly from the junction of the panel and its ledge 13. The hanger is then moved forwardly and downwardly until the cross bar 20 thereof engages the ledge 13 forwardly of the flange 14. Thereafter the hanger is moved rearwardly so that the cross bar 20 thereof enters the groove 15 under the flange 14 at the rear of the ledge and at which time the legs 18—18 are disposed in a plane parallel with the ledge and with the rear end of said legs engaging on said ledge. Thereafter the associated hanger confining member 21 is swung downwardly to extend in an upright position (as at the left hand side of Fig. 2) at which time the flange 23 engages the bowed portion 26 of member 20 and confines the hanger portion 20 in the groove 15. As clearly appears in Fig. 1 (right hand side) certain articles may be hung on the legs 18—18 of the hanger. There is shown, as by way of example, a well-known type of pliers.

The hanger 17 is not well adapted for the support of certain types of pliers which are not well balanced. For such items, a special type of

holder has been provided. One form is shown in the central part of Fig. 1.

The holder comprises an elongated substantially U-shaped sheet metal member having a bottom 30, upstanding wall portions 31, 31 and outwardly and upwardly extending marginal portions 32—32. The marginal portions 32 are each provided with a plurality of longitudinally spaced recesses 33, 33. The typical pliers is composed of two parts 35—35, operatively connected by a pivot 36. The operative end portions 38 of the plier parts are usually thicker than the handle portion 37, providing a ledge where the reduction in thickness takes place. To support such pliers, it is only necessary to place or have one member or part of the pliers in a recess 33 with the ledge portion of the plier part resting upon the upper face of marginal portion 32. This arrangement is perhaps best shown in the left hand side of Fig. 1. In about the mid portion of Fig. 1 is shown a slightly different type of pliers but one nevertheless including the ledge portion for overhanging the upper face of portion 32.

For supporting the holder from the panel a member 40, having a hook end 41, is secured to the rear face of the panel, as best shown in Figs. 2 and 3. An opening 13a is provided in the ledge 13 directly below the hook end 41 of member 40. A U-shaped strap metal member having spaced legs 42—42 and a connecting upper portion 43 is provided, the lower ends of the legs being secured to the inner faces of the U-shaped holder. To affix the holder it is taken in hand and the strap metal member inserted from below through the opening 13a in ledge 13, the holder being tilted so that the portion 43 may pass the rear part of hook 41, after which it is swung inwardly and then lowered to the position best shown in Fig. 2. In this way the holder is very strongly mounted and is well adapted to support a heavy load on the outer part of the holder.

In some forms of pliers, the two parts are formed of stock of uniform thickness, the outer or working end being merely offset from the plane of the handle and remaining portions of the parts. In such construction the ledge is not sufficiently defined to provide adequate support by mere placement in one of the recesses 33. Hence there is provided at the bottom of the holder a sheet metal member 50 having a downwardly and outwardly extending portion 51, which in turn is provided with a plurality of recesses 52. The recesses are equal in number to those in the portion 32 at the upper part of the holder, but as is shown in Fig. 3, they are slightly offset. This permits the jaw part 53 of one part 54 of the pliers to be accommodated in one of the upper recesses and the handle portion 55 of the other part 56 to be accommodated in the offset recess therebelow. In this way the tool is held firmly in position, is prevented from swinging in any direction except away from the holder, and then only when bodily moved as by manually grasping the handle part of the pliers. In this way the pliers may be readily removed from the holder when desired.

While in describing the invention I have referred in detail to the form, construction and arrangement of the parts involved, the same is to be considered only in the illustrative sense and therefore I do not wish to be limited thereto, except as may be specifically set forth in the appended claims.

I claim as my invention:

1. A display board embodying therein a panel member, a holder, means supporting the holder from the panel, said holder including upstanding spaced side wall portions and a marginal portion extending outwardly from the top of at least one of said side wall portions, said marginal portion having a plurality of spaced recesses therein, and a member extending outwardly from the bottom of the holder below said marginal portion and having a plurality of spaced recesses therein, the recesses in said member being offset with respect to the recesses in the marginal portions thereabove.

2. A holder for a display board embodying therein upstanding spaced side wall portions, a marginal portion extending outwardly from the top of at least one of said side wall portions, said marginal portion having a plurality of recesses therein, and a member extending outwardly from the bottom of the holder below said marginal portion and having a plurality of spaced recesses therein, the recesses in said member being offset with respect to the recesses in the marginal portion.

3. A display board embodying therein a panel member, a hook member affixed to the rear face of the panel member, a U-shaped holder member positioned below and extending forwardly from the front face of the panel, and a bail-like member having upstanding leg portions and a portion connecting the leg portions at the top, the lower ends of the leg portions being secured to the holder and said connecting portion resting upon the aforesaid hook member.

4. A display board embodying therein a panel member having a ledge extending rearwardly from its bottom margin, a hook member affixed to the rear face of the panel member above said ledge, a U-shaped holder member positioned below and extending forwardly from the front face of the panel, and a bail-like member having upstanding leg portions extending through an opening in said ledge and a portion connecting the upper ends of said leg portions and connected to said hook member, the lower ends of said leg portions being secured to the U-shaped holder member.

5. A display board embodying therein a panel member having a laterally extending ledge at the bottom and a holder arranged below said ledge and formed to include laterally spaced side walls, at least one of which has an outwardly extending marginal portion at the top and in which is a plurality of longitudinally spaced recesses that open through said top of said marginal portion, a member fixed to the holder and extending upwardly therefrom and passing up through an opening in said ledge, and means carried by a part of the panel above said ledge and with which said member is operatively engaged for support.

SIDNEY R. WIRTH.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
824,150	Chamas	June 26, 1906
998,112	Murray	July 18, 1911
1,459,404	Kleffman	July 19, 1923
1,495,485	Jersemann	May 27, 1924
1,581,805	Kirsch	Apr. 20, 1926
1,998,243	Krueger	Apr. 16, 1935
2,028,694	Spinks	Jan. 21, 1936
2,089,537	Champlin	Aug. 10, 1937