

March 8, 1966

J. BLANZ

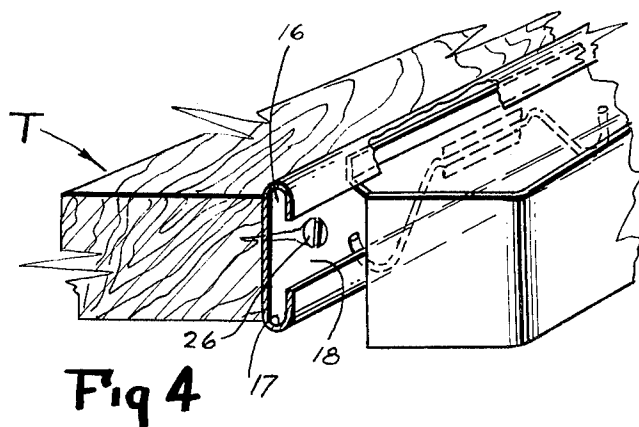
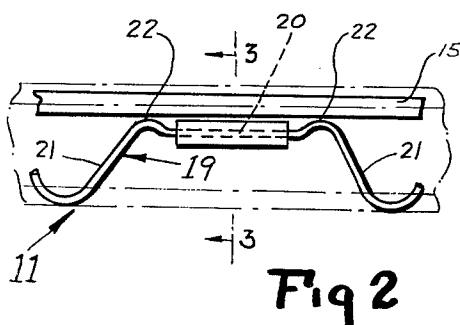
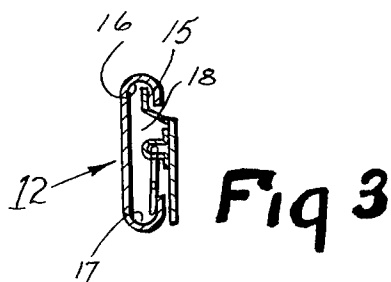
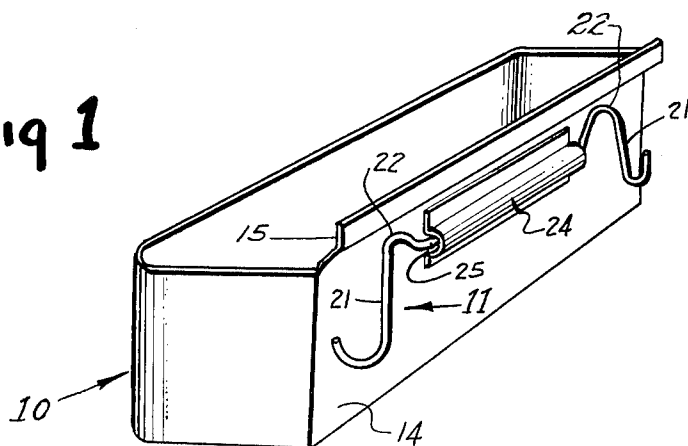
3,239,182

DISPLAY SUPPORT

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2 Sheets-Sheet 1

Fig 1



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Fig 5

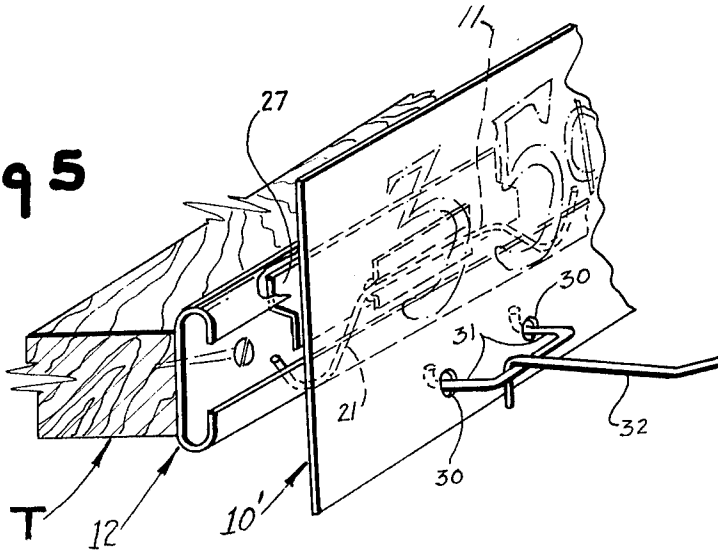


Fig 6

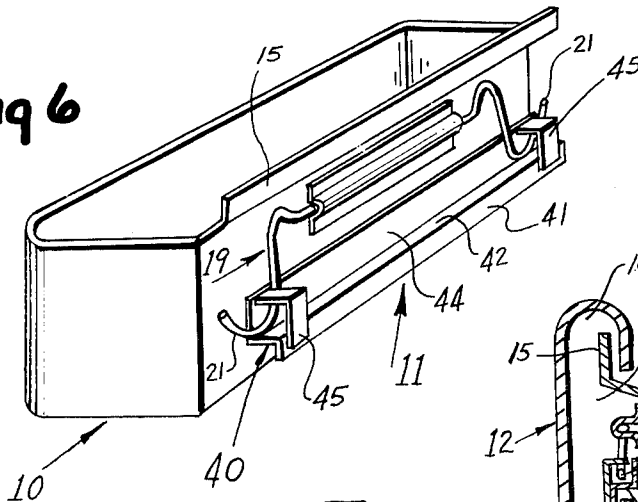
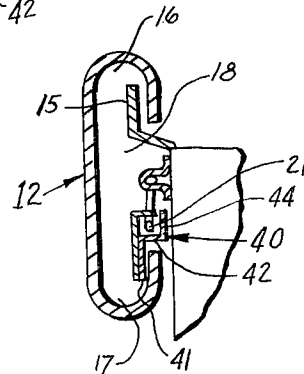


Fig 7



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3,239,182

DISPLAY SUPPORT

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2 Claims. (Cl. 248—223)

The present invention relates to supports and, more particularly, to an improved arrangement for releasably supporting a display member, such as a box or a panel.

Accordingly, an object of the present invention is to provide an improved display support which is simple and economical in construction.

Another object is to provide such a display support which includes a spring arrangement for releasably attaching the display member to cooperating means secured to an upright structural surface of a shelf, table or counter.

A further object is to provide such a display support wherein the display member may be a box displaying merchandise in stores, holding lamp bulbs and the like, or for containing articles in a handy place in the home or workshop.

Other and further objects will be obvious upon an understanding of the illustrative embodiment about to be described, or will be indicated in the appended claims, and various advantages not referred to herein will occur to one skilled in the art upon employment of the invention in practice.

In accordance with the present invention, the foregoing objects are generally accomplished by providing a display support comprising a display member having a rear upright wall, a strip or a pair of strips for securement to an upright structural member providing an upper and a lower lengthwise extending channel facing each other with a lengthwise extending opening between the channels, a lengthwise extending upright flange on the rear upright wall fitting into the upper channel, a spring arrangement including a middle portion, depending means fitting into the lower channel and an upwardly projecting portion adjacent each end of the middle portion and means on the rear upright wall for engaging the middle portion to hold the upwardly projecting portions against the rear wall below the flange.

In the drawings:

FIG. 1 is a rear perspective view of a display member in the form of a box having the spring arrangement thereon.

FIG. 2 is a fragmentary rear elevational view of the spring arrangement attached to an element shown in broken line which is adapted for securement to an upright structural member.

FIG. 3 is a sectional view taken along the line 3—3 on FIG. 2.

FIG. 4 is a fragmentary perspective view illustrating the display support attached to the end wall of a table or counter.

FIG. 5 is a view similar to FIG. 4 wherein the display member is in the form of a panel.

FIG. 6 is a rear perspective view of a display box illustrating another form of spring arrangement.

FIG. 7 is a fragmentary cross-sectional view of the spring arrangement shown in FIG. 6 illustrating its assembly with the element adapted for securement to an upright structural member.

Referring now to FIGS. 1 to 4 of the drawings in detail, there is shown a display support which generally comprises a display member 10, a spring arrangement 11 and a mounting strip 12.

The display member 10 in these views is a box having an upright rear wall 14 and having a rearwardly offset, lengthwise extending flange 15 at the upper edge of the wall 14.

The mounting strip 12 has lengthwise extending upper and lower channels 16 and 17 which face each other and has a lengthwise extending opening 18 between the channels for insertion therein of the flange 15 and the spring arrangement, as about to be made apparent.

The spring arrangement 11 includes a wire spring 19 having a middle portion 20, depending end portions 21 which are curled upwardly at their free ends, and upwardly projecting portions 22 between the middle and end portions; and a strip 24 secured to the wall surface 14 having a channel 25 for engaging and housing the middle portion 20 of the spring to hold the upwardly projecting portions 22 against the wall 14 above the middle portion and below the flange 15, whereby the portions 22 are restrained and the portions 21 are free to flex.

In use, the strip 12 is secured by screws or nails 26 to the end wall of a table or counter T (FIG. 4), the depending portions 21 of the spring are fitted into the lower channel 17, the display member 10 is pulled or pushed downwardly to cause the spring portions 21 to yield and flex in a lengthwise direction, the flange 15 is fitted into upper channel 16, and the display member is released. The spring portions now are biased against the lip of the lower channel and urge the flange into the upper channel to securely but releasably mount the display member. The display member can be readily detached by following the foregoing described steps in reverse order.

In FIG. 5, a display member 10' is shown which is in the form of a panel or plate having a spring arrangement 11, like that already described, secured to its rear wall surface. Instead of providing the flange 15 (see FIG. 1) at the upper edge of the panel, a flange 27 may be a separate lengthwise extending member secured to the rear of the panel below its upper edge, as is readily evident from FIG. 5.

The panel is provided with a plurality of pairs of adjacent holes 30, each being adapted to receive a leg 31 of a removable hook 32 for hanging merchandise or the like thereon. If desired, the panel may bear the price of the merchandise or other appropriate indicia.

In FIGS. 6 and 7, a spring arrangement 11 is shown which is essentially the same as that already described with reference to FIGS. 1 to 4, except that the depending spring portions 21 carry an angular sectioned bar 40 having a depending flange 41 fitting into the lower channel 17, a horizontal web 42 engaged by the lowermost part of the spring portions 21, an upwardly projecting flange 44, and a right angle member 45 at each end of the angular bar 40 connected adjacent its lower end, as by welding, to the flange 41 to provide a loop for loosely receiving the spring portions 21 to retain the bar 40 on the spring but allowing the spring to react freely when the spring portions 21 bear down on the web 42.

The spring and flange arrangement just described is connected to and disconnected from the mounting strip 12 by following the procedure described with reference to the structure shown in FIGS. 1 to 4 except that the flange 41 is fitted into the lower channel 17 instead of the spring portions 21.

From the foregoing description, it will be seen that the present invention provides a simple, practical and economical display support which is useful for accomplishing numerous purposes.

As various changes may be made in the form, construction, and arrangement of the parts herein, without departing from the spirit and scope of the invention and without sacrificing any of its advantages, it is to be understood that all matters are to be interpreted as illustrative and not in any limiting sense.

What is claimed is:

1. A display support comprising a display member having a rear upright wall, strip means for securement to an

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upright structural member having an upper and a lower lengthwise extending channel facing each other and having a lengthwise extending opening between said channels, a lengthwise flange means on said rear wall fitting into said upper channel, a wire spring having a middle portion, yieldable depending end portions and an upwardly projecting portion between each end of said middle portion and an end portion, flange means carried by said end portions fitting into said lower channel and means on said rear wall for engaging said middle portion to hold said upwardly projecting portions against said rear surface, whereby said upwardly projecting portions are restrained and said depending portions are free to flex.

2. A display support according to claim 1, wherein said flange means include an angular bar having a depending flange fitting into said lower channel, an upwardly projecting flange, a horizontal web connecting the two last

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mentioned flanges and engaged by said depending spring portions, and means at the ends of said bar for loosely receiving said depending spring portions to retain said bar on said spring.

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15 CLAUDE A. LE ROY, *Primary Examiner*.