March 12, 1957 L. S. HOLROYD 2,784,847

ADJUSTABLE DISPLAY RACK

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Fig. 5

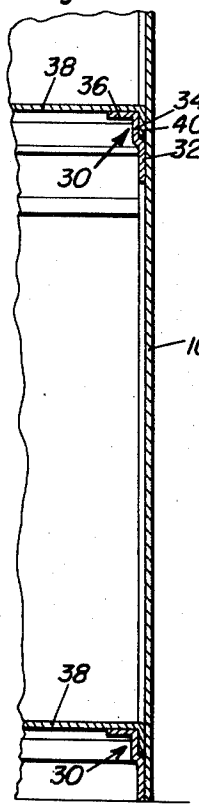
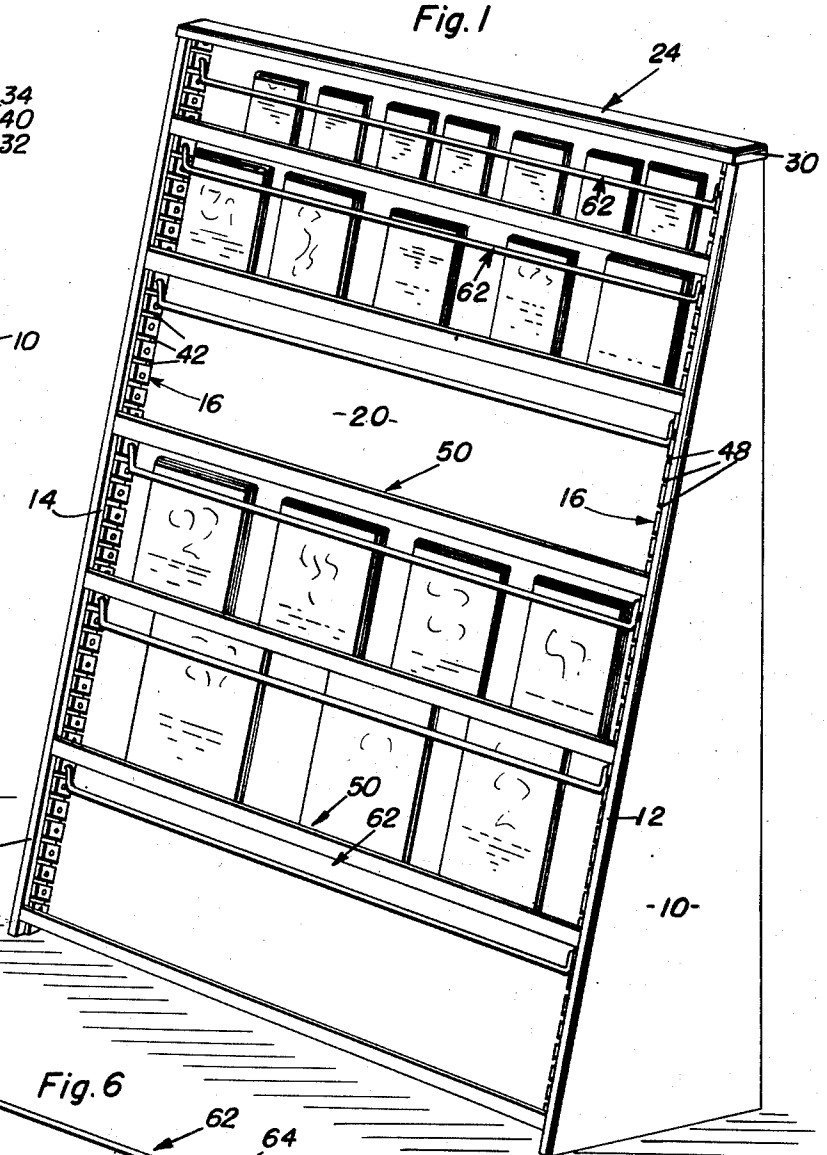


Fig. 1



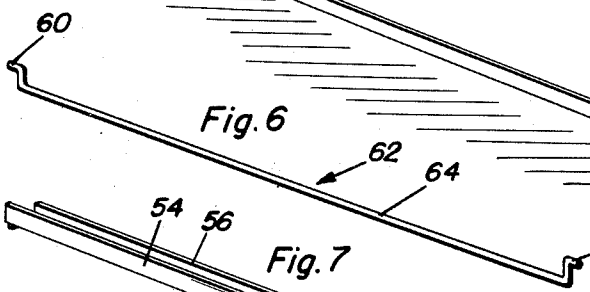


Fig. 6

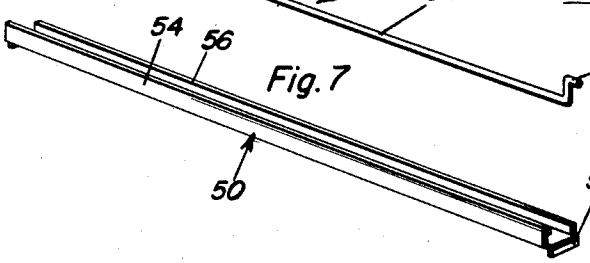


Fig. 7

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Fig.4

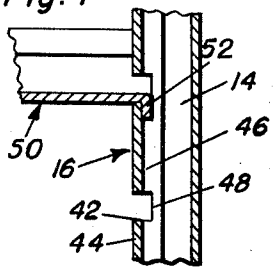
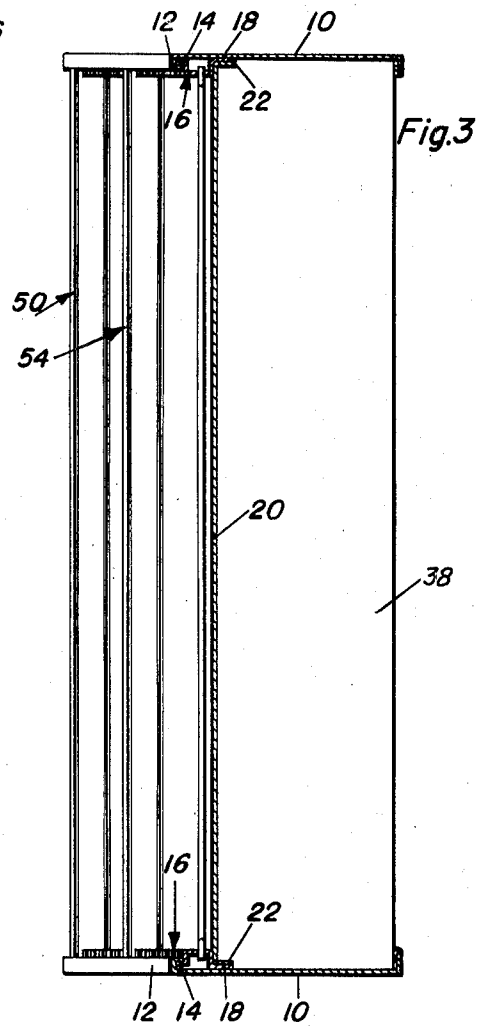


Fig.2

Fig.3



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ADJUSTABLE DISPLAY RACK

Lowell S. Holroyd, Sedan, Kans.

Application May 4, 1953, Serial No. 352,879

1 Claim. (Cl. 211—55)

This invention relates generally to display apparatus, and pertains more particularly to a rack for displaying bulletins, pamphlets, books, magazines and the like.

A primary object of this invention is to provide an improved display rack assembly which includes means for rapidly and easily adjusting the relative position of its various shelves for permitting bulletins, pamphlets, books, magazines and similar articles of various sizes to be received therein.

Another object of this invention is to provide a display rack assembly of improved construction which includes a pair of side walls, a vertical wall therebetween, and shelf structures disposed on either side of the vertical wall in such a manner as to provide a compact and pleasing display apparatus.

Another object of this invention is to provide an adjustable display rack assembly which includes supporting channels provided with transverse slots which cooperate with shelves having down-turned end portions for providing an easily and quickly adjustable display shelf support.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter desscribed and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of the display rack showing a series of magazines or like articles disposed therein;

Figure 2 is a transverse vertical section on an enlarged scale taken through the assembly shown in Figure 1;

Figure 3 is a horizontal section taken substantially on the plane of section line 3—3 of Figure 2 showing the relationship of various of the parts;

Figure 4 is a vertical section taken substantially along the plane of section line 4—4 of Figure 2 showing the manner of engagement of one of the shelves with the supporting channels on an enlarged scale;

Figure 5 is a vertical section taken substantially along the plane of section line 5—5 of Figure 2 showing the manner of attaching the storage shelves;

Figure 6 is a perspective view of one of the magazine engaging rods; and

Figure 7 is a perspective view of one of the adjustable shelves.

Referring now more particularly to the drawings, reference numeral **10** indicates the spaced side walls forming a main portion of the supporting structure of this assembly, and it will be noted that these side walls are of generally right angular configuration provided along their front edges with inwardly turned substantially U-shaped guide portions **12**. These guide portions embrace and frictionally engage an offset edge **14** of one of the legs of the channel members **16** which are disposed along this front edge. The rear legs of these channels terminate in laterally offset ears **18** engaging against the inner surface of the side walls **10**. A sloping wall **20** extends between the side walls **10** and is provided at its opposite edges with flanges **22** which engage against the opposed

surfaces of the ears **18**, the ears and flanges being suitably secured to the side walls to maintain the assembly in place, although such securement is not absolutely necessary, as will presently be apparent.

The top of the assembly is provided with a cover **24** which includes the depending front and rear flanges **26** and **28**, respectively, and the depending end flanges **30**, all of which serve to embrace the side walls and maintain the upper end of the assembly in properly related positions. Serving to maintain the lower portion of the assembly in proper position and also serving to act as material storage shelves, it will be seen that the side walls are provided with several bracket assemblies **30** whose lower portions **32** are securely attached to the side walls and whose upper portions **34** are slightly spaced therefrom and terminate in inwardly directed horizontal flanges **36** which serve to provide support for the end portions of the shelves **38**, the latter of which are provided with down-turned end edges **40** which engage between the portions **34** and the side walls **10** to securely position the shelves. It will now be apparent that the cooperation between the front edges **12** of the side walls, the sloping wall **20**, the top **24** and the lower horizontal shelves **38** is such that when these various elements are assembled in the manner shown and described, the entire assembly will be self-supporting and will require no additional fastening means other than the interlocking relationship shown and described.

The previously mentioned channels **16** are provided with a plurality of vertically spaced transverse slots **42** which extend through the web portions **46** thereof as indicated by the numeral **48**. These slots receive the opposite end portions of the various rack shelves **50**, which ends are provided with down-turned ears **52** which snugly engage against the inner surface of the web portions of the channels adjacent the slots, as shown most clearly in Figure 4. The shelves are provided with upstanding front edges **54** for retaining the bottom portions of the magazines or other articles disposed thereon and the rear edges of the shelves are upturned as at **56** and engage against the front surface of the sloping wall **20**. When it is desired to remove and reposition one of the individual shelves, it is merely necessary to lift upwardly on its opposite end portions to disengage the down-turned ears **52** from the web portions of the channels and allow the ends of the shelves to be withdrawn outwardly through the notches or slots **48** in the front leg of the channels, the reverse of this procedure being necessary to reposition the shelf in its desired location.

A plurality of vertically spaced apertures **58** are provided in the web portion of the channels intermediate the slots and these apertures receive the laterally offset ends **60** of the weighting levers **62** whose intermediate portions **64** work by virtue of their own weight against the cover of the magazines, books or like articles disposed on the various shelves to maintain these articles in properly supported engagement with the sloping wall **20**.

From the foregoing, it will be readily apparent that this assembly provides an adjustable display rack which may be rapidly and easily assembled and disassembled for the purposes of storing or shipping and erecting the same in a desired location.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claim.

What is claimed as new is as follows:

A display rack comprising a pair of spaced side walls provided with shelf supporting means, a plurality of shelves carried by said means, a sloping wall extending between the side walls, means carried by the first means for maintaining articles placed on the shelves in engagement with said sloping wall, said first means comprising parallel, sloping channels including spaced leg portions interconnected by a web and having the free edges of their legs secured to the side walls to that the webs are spaced therefrom, said channels being transversely slotted for reception of said shelves, one leg of each of said channels being disposed in juxtaposed relation to said sloping wall, said webs having apertures between the slotted portions, the apertures being spaced from said wall, and said last means comprising elongated rods having offset ends rotatably received in the apertures so that the intermediate portions of the rods will engage against

articles disposed on said shelves and maintain such articles in engagement with the sloping wall, said apertures being vertically spaced and said offset ends of the rods being insertable in selected apertures to vertically adjust the rods for engagement of the intermediate portions thereof with articles of different heights on the shelves.

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