

Sept. 8, 1931.

H. L. SNYDER

1,822,175

DISPLAY RACK

Filed Oct. 15, 1928

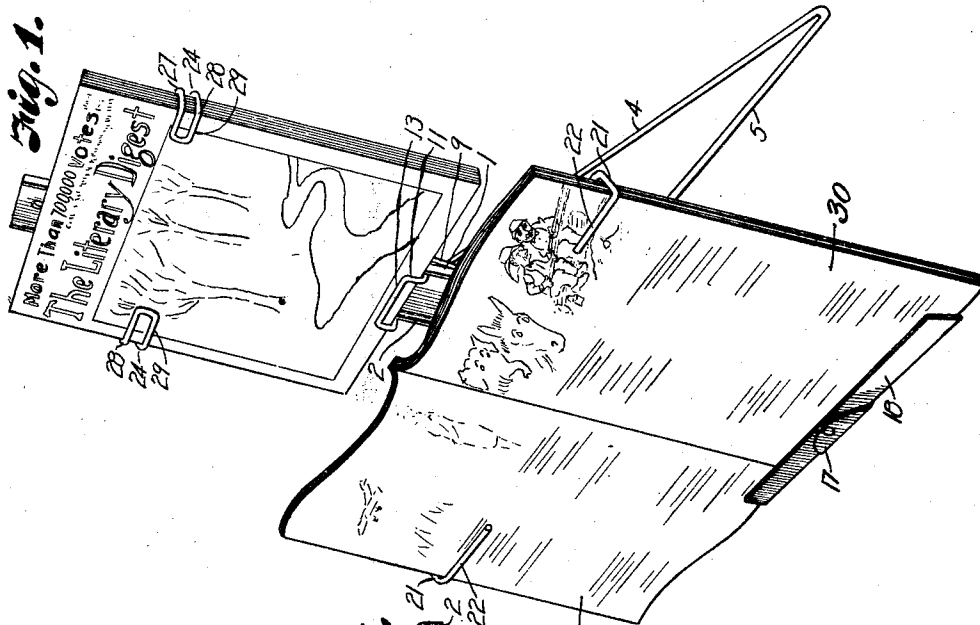


Fig. 2.

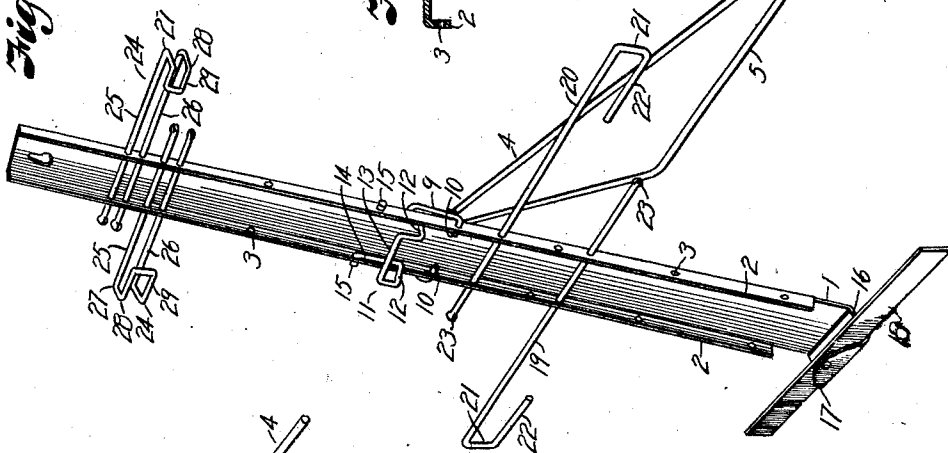


Fig. 3.



Fig. 3.

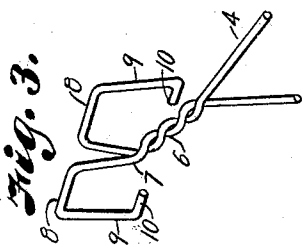
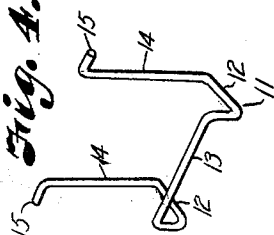


Fig. 4.



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# UNITED STATES PATENT OFFICE

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## DISPLAY RACK

Application filed October 15, 1928. Serial No. 312,472.

My invention relates to display racks and more particularly to racks of that character for supporting books, magazines and the like, the principal objects of the invention being

5 to adjust supporting members to the sizes of the books, to latch the edges of books for retaining the same securely on the support, and to provide for quick and easy adjustment of latching members to the sizes of the books.

10 Further objects are to support a closed book and an open book on the same rack whereby the cover and contents may both be displayed, to latch the leaves of an open book, and to support the several portions thereof.

15 In accomplishing these and other objects of the invention, I have provided improved details of structure the preferred forms of which are illustrated in the accompanying drawings, wherein:

20 Fig. 1 is a perspective view of a rack embodying my invention illustrated as supporting a closed and an open book.

Fig. 2 is a perspective view of the rack.

25 Fig. 3 is an enlarged fragmentary view of a bracing member for the rack.

Fig. 4 is an enlarged perspective view of a book supporting bracket.

30 Fig. 5 is a cross sectional view of the standard illustrating the provision of pairs of aligned openings to receive brackets and retainers.

Referring in detail to the drawings:

1 designates a standard comprising preferably a strip of metal having parallel flanges 2 provided with openings 3 forming pairs of aligned openings to receive a plurality of rack elements presently described, one of said elements being a foot or bracing member 4 comprising preferably a wire having its intermediate portion bent to provide a foot 5 adapted to engage the surface on which the rack is mounted. The portions of the wire are twisted together as at 6, and the outer ends are slightly backbent at an angle corresponding to the suitable inclination of the standard to the surface, to form arms 7 for engaging the back of the standard when the rack is set up, the wire ends then being bent laterally and forwardly to provide lateral rack engaging arms 8 and fingers 9, the

fingers having tips 10 bent toward each other for mounting in the openings of the standard whereby a resilient and easily operable hinge is provided for connecting the brace with the standard.

55 One of my purposes is to support a plurality of books or the like, for example magazines, in different positions on the rack and to adjust the supports for different sizes of magazines, and for this purpose I provide a movable bracket 11 comprising preferably a single wire having its intermediate portion bent to form parallel seats 12 and upbent to form a retaining hook 13, the ends of the wires being bent parallel with the hook portion to form arms 14 and the tips being upbent to provide lugs 15 engageable in a selected pair of openings 3, whereby the arms 14 may be pressed together for admitting the arms between the flanges of the standard and 70 inserting the lugs in the openings. The mounted bracket will be rotatably but securely supported from the standard, the arms lying against the surface thereof and the hook projecting outwardly from the flanges 75 to receive a magazine.

I preferably form the lower end of the standard by bending it outwardly to comprise a lower shelf or bracket 16, and the outer end of the shelf 16 is upbent to form 80 a hook 17. A guard 18 comprising a strip or bar is mounted on the hook 17 with its ends extending laterally to engage the front face of a magazine and latch the leaves thereof when the magazine is mounted thereon in 85 open position with portions outspread.

I further provide retaining members for latching the edges of the magazine and provide these preferably in pairs associated with each of the types of brackets described, the 90 retainers 19 and 20 associated with the lower bracket comprising rods mounted in selected openings and slidable therein, selected ends of the rods being provided with hooks 21 having fingers 22 extending in spaced relation with the bodies of the rods and adapted to rest against and latch the leaves of the magazine. The rods are rotatable in the openings, whereby the fingers 22 tend to 95 fall into engagement with the outer surface 100

of the exposed portion of the magazine when the hooks are moved over the edges thereof. The opposite ends of the rods are preferably provided with latching or stop members 23 which may consist of upset portions of the rods for stopping the outward movement thereof.

Retainers 24 associated with the upper bracket preferably comprise rods bent to form parallel arms 25 and 26 mounted in adjacent pairs of aligned openings and slidable therein, the intermediate portions of the rods being bent at 27 and 28 to form hooks 29 for engaging the vertical edges of a magazine mounted on the rack in closed position.

In using the device the brackets and retainers are provided of size and shape suitable for the particular articles which are to be displayed, for example, a magazine. One copy of the magazine is mounted on the bracket 11 and the retainers 24 are moved slidably laterally in the standard openings for engaging the hooks thereon with the opposite vertical edges of the magazine to support the upper end thereof and to latch the pages together against disturbance.

Another copy of the magazine is opened at a page which is desired to be displayed and the heavier portion 30, that is the side containing the larger number of pages, is mounted on the shelf 16 approximately in alignment with the copy supported by the upper bracket, while the side 31 containing the smaller number of pages extends laterally from the standard. The guard 18 bears against the lower edges of the sides of the magazine adjacent the lower margins to prevent the leaves from crumpling and moving towards closed position. The retainers 19 and 20 are then moved slidably in their openings to engage the hooks thereon with the vertical edges of the magazine, it being apparent that the retainer 20 in the illustrated use will have to be moved closer to the standard to engage the heavier side of the magazine while the member 19 will have to be spaced considerably from the standard to permit the hook to engage the edge of that side. When in magazine engaging position the hook of the retainer 19 will be spaced substantially from the standard.

The retaining rods therefore are especially adapted to brace and latch the outspread portions of a magazine whether the heavier portion mounted on the bracket is the left or the right hand side of the open book.

In whatever position the retainers may be placed they serve to support the upper portions of the magazine in open position and each retainer not only supports and latches the outer edge of one side of the magazine but also extends across to the opposite side of the magazine to assist in bracing and supporting it.

Attention is also called to the guard 18 which engages the lower inside corner of the lighter side of the magazine and prevents it from crumpling downwardly as it tends to do.

Attention is further called to the upper retainers, which are formed in the illustrated manner to provide for frictionally latching them in a desired position to prevent accidental displacement. The arms 25 and 26 of these retainers are bent away from or toward each other before the retainers are mounted, so that they are positioned out of parallelism; they are then tensioned into parallelism for insertion into adjacent pairs of aligned openings, and being under tension will be frictionally latched but slidable in the support. The points 23 may then be distorted to provide the means for preventing complete withdrawal of the retainers.

What I claim and desire to secure by Letters Patent is:

1. In a display rack of the character described, a support having parallel flanges provided with a series of pairs of aligned openings, a book supporting bracket having offset lugs mounted in selected openings on said flanges, and a rod mounted in selected openings on said flanges and provided with a hook for engaging an edge of the book.
2. In a rack of the character described, a support including parallel flanges provided with spaced openings, a bracket mounted on the support, and a retainer slidably mounted in selected openings on said flanges and provided with a hook for engaging the edge of a book supported by the bracket.
3. In a display rack, a support including a standard having parallel flanges provided with pairs of aligned openings, a bracket including resilient arms having laterally extending lugs engaged in a pair of aligned openings, and a retainer slidably mounted in selected openings in said flanges and provided with a hook for engaging the edge of a book supported by the bracket.
4. In a display rack of the character described, a support having parallel flanges provided with a series of pairs of aligned openings, a plurality of vertically spaced brackets mounted on the support, rods slidably mounted in a selected pair of openings in the flanges and provided with hooks for engaging edges of books adapted to be mounted on the brackets, and a brace member including resilient fingers engaged in a selected pair of openings in the flanges.
5. In a display rack of the character described, a support, a bracket mounted on the support, a retainer provided with a hook for engaging the edge of a display article supported by the bracket, and a brace member including resilient fingers engaging the support, the support being provided with a plurality of pairs of aligned openings receiving

the retainer and the resilient fingers of the brace.

6 A display rack of the character described comprising a support having spaced  
5 pairs of aligned openings, a bracket mounted on the support, and retainers mounted to slide laterally in the openings of the support including a latching member comprising a  
10 rod bent to form resilient arms, said arms being tensioned for mounting in adjacent pairs of openings for frictional engagement therein, and said member having a hook on one end for engaging the edge of a book supported by  
the bracket.

15 I testify whereof I affix my signature.  
HARRY L. SNYDER.

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