Oct. 15, 1929. H. L. SNYDER 1,731,875

DISPLAY RACK

Filed May 17, 1928

Fig. 1.

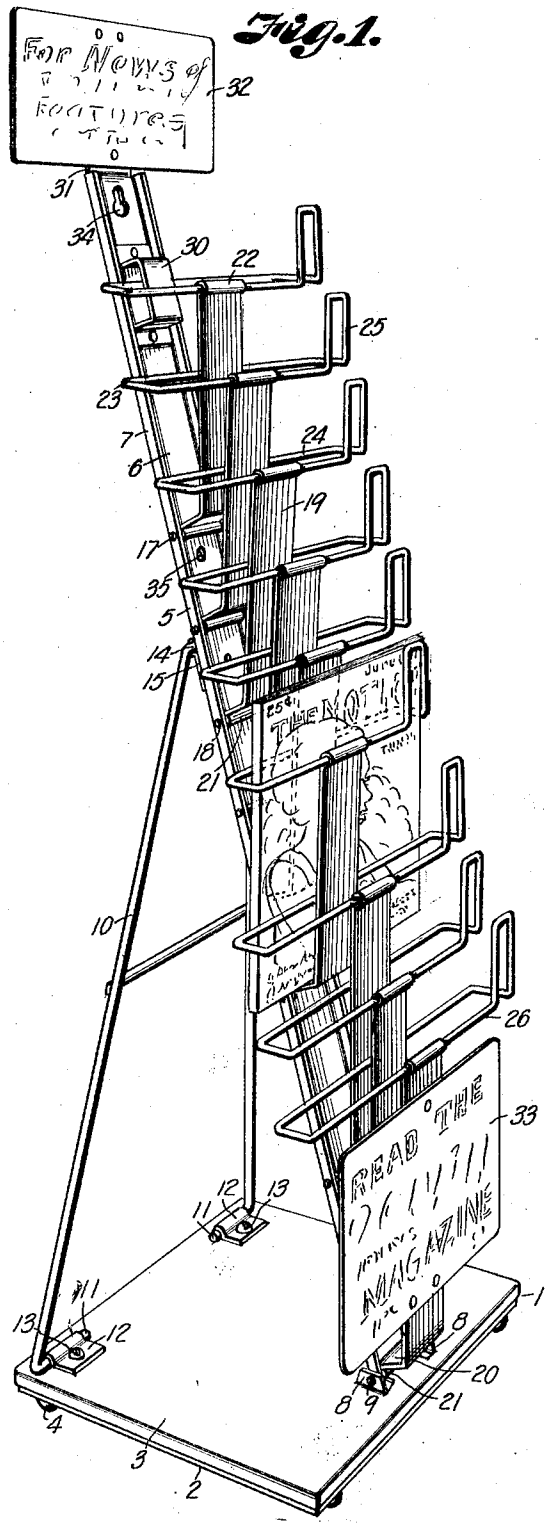


Fig. 2.

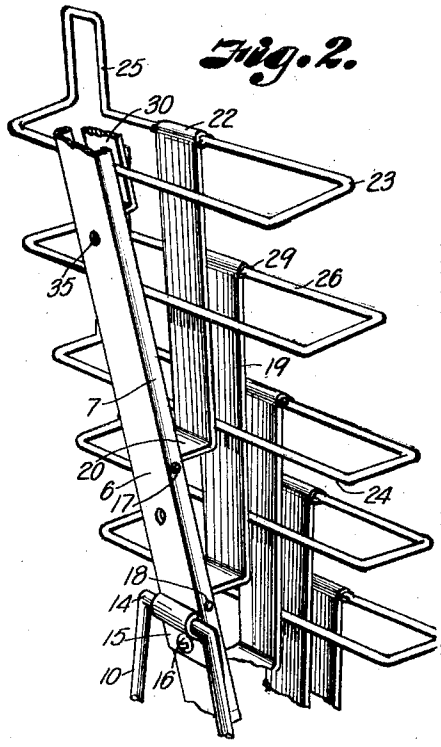
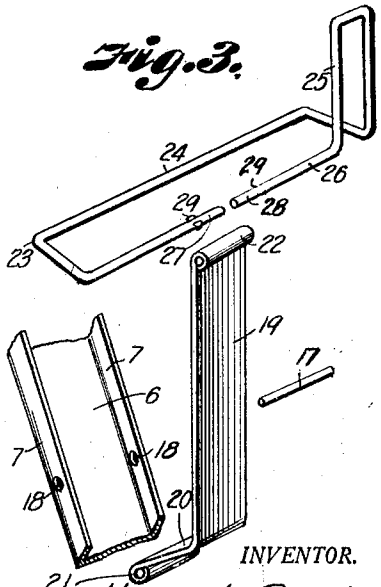


Fig. 3.



INVENTOR.
Harry L. Snyder.
BY Arthur LeBrun
ATTORNEYS.

Patented Oct. 15, 1929 1,731,875

UNITED STATES PATENT OFFICE

HARRY L. SNYDER, OF LOS ANGELES, CALIFORNIA

DISPLAY RACK

Application filed May 17, 1928. Serial No. 278,450.

My invention relates to racks, and more particularly to racks for displaying publications, magazines, cards, maps and the like, the principal objects of the invention being to increase the visibility of the faces of displayed publications, to support the publications in relatively erect position, to display the objects in a substantially vertical file, and to prevent drooping of the unbound edges of volumes.

A further object is to provide a collapsible and relatively light construction, for setting up on a horizontal surface, that will be substantial and stable.

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:

Fig. 1 is a perspective view of the rack in functioning position.

Fig. 2 is a detail perspective sectional view of a portion of the rack.

Fig. 3 is a detail disassociated perspective view of magazine supporting members.

Referring more in detail to the drawings:

1 designates a base comprising preferably a rectangular wooden block 2 provided with a metal cover 3, and supported on resilient feet 4. A metal channel member 5 comprising a body 6 and side flanges 7 is hingedly supported from the base by spaced brackets 8 and a pin 9 journaled in the brackets and extending through the flanges of the channel member adjacent its end.

The brackets 8 preferably comprise ears struck out from the metal cover 3. The channel member is adapted to overlie the base in collapsed position.

The channel member is braced in an angular position relative to the base by an A-shaped wire frame 10 having ends 11 inbent and pivotally retained by clips 12 attached to the base by screws 13, the transverse member 14 of the frame being pivotally connected with the channel by a clamp 15 fixed to the rear face of the channel substantially midway of its length by a screw 16. The frame 11 may be disengaged from the channel member by removal from the clamp 15 for collapse of the structure.

Hingedly supported by pins 17 extending across the channel member into openings 18 in the side flanges thereof are brackets 19 preferably consisting of metal strips having angularly extending book-supporting shelves 20 provided with back turned edge portions 21 comprising ring-like sleeves for mounting on the pins 17. Connected with the upper edges of the bracket strips 19 preferably by pivotal mounting in rolled sleeves 22 on said edges are magazine-retaining wire loops 23, the preferable form of one of which will be described in detail.

The loop 23 comprises a wire bent to provide a rectangular frame or pocket portion 24 and a rectangular upstanding arm 25 at one corner of the frame and in the vertical plane of the front branch 26 thereof, said front branch including the two ends 27 and 28 of the wire from which the frame is formed. These ends may be sprung apart for admitting them into the sleeve 22, and are provided with ears 29 stamped from the metal of the wire to limit the movement of the ends into the sleeve.

The pins 17 are spaced along the channel member suitably to the various lengths of strips 19 provided for a particular rack, and the loops 23 enclose adjacent strips and are restrained thereby upon forward pivoting. The topmost loop, lacking a restraining strip, is provided with a restraining clip 30 attached to the channel, the clip being of sufficient length to permit the loop and strip connected therewith to lie flat on the channel when the structure is in collapsed position.

The side flanges of the channel are cut away at the upper end thereof to provide an unflanged tip 31 of the body on which a notice board or sign 32 may be mounted. A similar board 33 may be attached to the lowermost strip 19. An aperture 34 adjacent the upper end of the channel is provided for engaging the rack with a nail or similar retaining device fixed in a wall, to stabilize the device and for supporting the same from the wall when the rack is to be displayed in an elevated position. Openings 35 in the channel

provide for attaching a number of racks to a support.

In using the device the magazine retaining loops are normally retracted to overlie the channel member, and are moved forward by pivoting the strips to permit the insertion of articles such as magazines therethrough. The magazines rest on the leaves or shelves of the bracket-like strips and their upper portions extend above the loops. The upstanding arms of the wire frame or pocket members are preferably provided as in the illustrated application of the invention on the right-hand side of the loops, and extend along the front right-hand edges of the magazines.

The structure provides, therefore, for supporting the magazines in substantially erect position so that their front covers are plainly visible from positions in front of the rack, and the free and unbound edges of the leaves and covers are restrained and prevented from drooping. While the several magazines are supported in staggered relation from front to back of the rack, they occupy a relatively small horizontal area.

The wire loops are restrained in forward tilting by engagement with the adjacent brackets, the topmost loop being restrained by the special hook-like clip.

Wire loops and brackets may be provided of suitable dimensions and form for supporting articles of various characters and sizes, for example, the lower loops and brackets being larger than those above to accommodate larger magazines, and the loops being adapted to support the right-hand upper corners of the magazines by means of the upstanding arms.

The rack may be knocked down or collapsed for shipment or removal by removing the brace from the clamp, and pivoting the brace and channel member to lie along the base. The brackets may then be pivoted to overlie the channel member while the wire loops are free to move to flat position on the channel member.

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

1. A display rack comprising a base, a support hinged to the base, a brace member hingedly connected with the base and the support, a plurality of article-supporting members having inturned shelf portions pivotally connected with the support, and retainer loops hingedly connected with the upper end of said supporting members and vertically aligned with said shelf portion for retaining the articles supported thereby.

2. In a display rack, a base, a body member hinged to the base, a brace member hinged to the base and to the body member for supporting the body member in inclined position, a plurality of interlocking article-receiving members supported by the body member, each comprising a bracket member having inturned shelf portions hinged to the body member, and an article-retaining loop supported by each bracket and engaging the next higher bracket for retention thereby.

3. In a display rack a base, a support including a channel member hinged to the base and having side flanges, article-support brackets having inturned shelf portions pivotally supported from the side flanges, wire loop members hingedly connected with the brackets and engaging the next higher bracket, and means on the loop for engaging the protruding edge portion of the supported article.

4. In a display rack, a base, a body member hinged to the base, a brace member hingedly connected with the body member and removably attached to the base, a series of brackets having inturned flange portions at their lower ends pivotally supported from the body member, rectangular-shaped retainer loops hinged to the upper ends of the brackets, the loop of one bracket engaging the next higher bracket to restrain the pivoting thereof, and an upstanding tongue portion on the loop members for engaging the protruding edge portion of the supported article.

In testimony whereof I affix my signature.

HARRY L. SNYDER.