

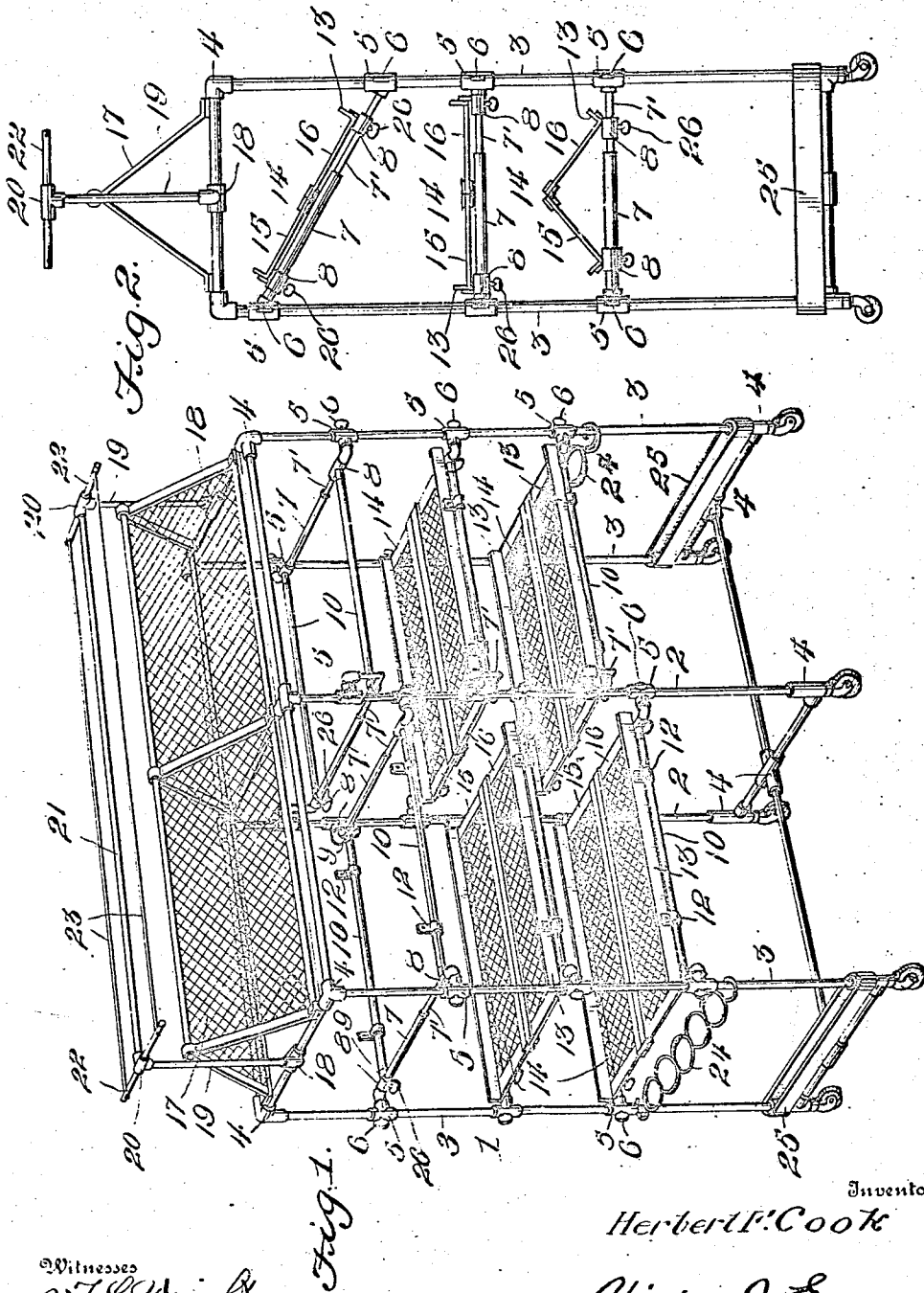
H. F. COOK.
DISPLAY RACK.

APPLICATION FILED JAN. 24, 1908.

Patented Sept. 15, 1908.

2 SHEETS-SHEET 1.

898,970.



Witnesses
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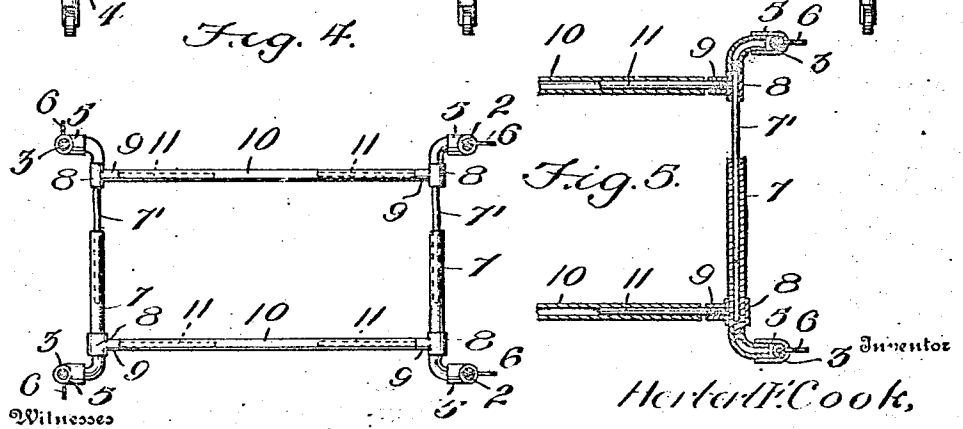
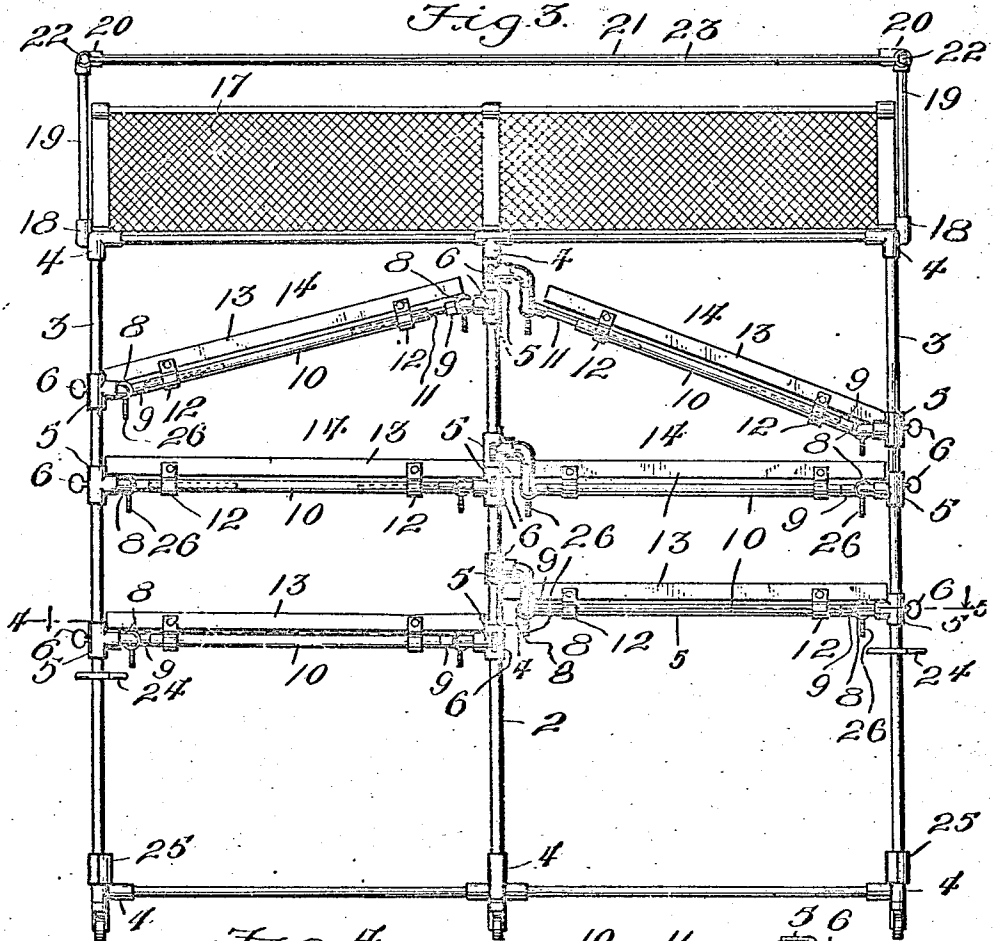
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UNITED STATES PATENT OFFICE.

HERBERT F. COOK, OF COLORADO SPRINGS, COLORADO.

DISPLAY-RACK.

No. 898,970.

Specification of Letters Patent.

Patented Sept. 15, 1908.

Application filed January 24, 1908. Serial No. 412,518.

To all whom it may concern:

Be it known that I, HERBERT F. COOK, a citizen of the United States, residing at Colorado Springs, in the county of El Paso and State of Colorado, have invented new and useful Improvements in Display-Racks, of which the following is a specification.

This invention relates to display racks for stores, and the object of the invention is to provide a display rack so constructed as to offer a great amount of display space while occupying a comparatively small floor space.

With these objects in view the invention resides in the novel construction of display racks hereinafter fully described and claimed.

In the drawings, Figure 1 is a perspective view of a display rack constructed in accordance with my invention. Fig. 2 is a front elevation of the same. Fig. 3 is a side elevation of the rack illustrating the shelves positioned at different angles. Fig. 4 is a sectional view upon the line 4—4 of Fig. 3, the tray clips being removed. Fig. 5 is a sectional view upon the line 5—5 of Fig. 3, the tray clips being removed.

In the construction of my improved display rack, I have endeavored to produce a rack whereby a great amount of display is obtained while occupying a comparatively small floor space, and in order to accomplish this I have arranged a display rack provided with a plurality of display trays so constructed and arranged upon the frame of the device that they may be arranged and held at any desired inclination so that a large quantity of articles may be displayed, and a small space required for the display.

The improved display rack comprises a suitable frame 1, having sides 2 and ends 3. The rack is constructed preferably of tubing and the vertical members are connected with the horizontal and transverse members by couplings 4, threaded or otherwise provided with means whereby the frame of the device may be securely retained in position, and whereby the rack may be readily separated and folded within a small compass when the rack is no longer required for use.

The vertical members of the rack are provided with couplings 5, each comprising a T-shaped member, having a thumb screw 6, whereby they are secured upon the vertical members of the rack. The couplings 5 are each provided with an L-shaped member, adapted for the reception of a hollow tubular member 7 upon one side of the rack, and a

tubular member 7' adapted for insertion within the hollow member, upon the other side of the rack. Both of the members 7 and 7' are provided with a coupling 8, having longitudinal members or arms 9 connected with the couplings upon the opposite members. The members 9 are preferably tubular in formation, and comprise a hollow element 10 adapted for the reception of a smaller element 11. Upon each of the members 10 and 11 are positioned clips 12 adapted for engagement with the sides 13 of trays 14. These trays 14 are each composed of two separate members 15 and 16, hinged together at their center, and having an upstanding flange 13 at their ends.

It will be noted that by the arrangement of the tubular members upon the sides and ends of the rack, and that by the arrangement of the clips 12 slidably mounted upon the members 10 and 11, and their engagement with the trays 14, that the trays are allowed to slide upon the members 10 and 11, thereby securing means whereby an angular position of the trays may be provided upon the frame. It will be still further noticed that the trays may be moved towards each other or be positioned upon any desired angle in relation to each other by simply swinging the members of the trays upwardly upon their hinged connections.

The display rack is also provided with a removable shelf 17, constructed preferably of tubing, and adapted to be positioned upon the top of the display rack.

Centrally positioned upon the upper end members of the display rack, is a coupling 18 adapted for the reception of a vertical member 19 having a double T-coupling 20, supporting the longitudinal bar 21, and the transverse bar or member 22. The transverse member 22 is adapted to extend upon either side of the coupling 20 and is provided at its extremities with a wire or string 23, which is adapted for the reception of a curtain, by which the articles upon the rack may be covered when desired.

Positioned upon the vertical members of the frame and preferably at points below the shelves or racks are umbrella or cane holders 24. These holders 24 are composed of a single strand of wire, twisted upon itself to form a plurality of loops, each of which being adapted for the reception of a walking stick or umbrella.

The vertical members of the rack are pro-

vided at their lower extremities with rollers, whereby the rack may be easily moved, and above these rollers are positioned a series of couplings adapted for the reception of the transverse and longitudinal tubes or members, whereby the rack is effectively supported at its base. The umbrella or cane holders 24 are preferably adapted for engagement with the outer vertical members of the rack, and directly below these holders, and preferably positioned upon the lower couplings of the vertical members are straps or bands 25, adapted for the reception of the lower portions of the sticks or umbrellas, whereby the sticks or umbrellas are effectively retained upon the rack.

The display rack 17 and the shelves of the rack are provided with suitable transparent material, such as gauze or the like, whereby articles upon either side of the shelves or trays may be perceptible from either side of the rack.

By the arrangement of display trays above described it will be noted that the articles to be shown upon the trays of the rack may be arranged at a horizontal or any desired angular position in relation to the vertical members of the rack. The trays can be adjusted to a substantially vertical position, should such adjustment be required, or they can be raised or lowered upon the vertical standards of the rack and securely retained in a desired position by the thumb screws 26 provided upon the couplings 8, it being understood that the members 8 and 9, as well as the members 7 and 7' are adapted to slide one within the other to provide for the various angles at which the display racks or trays are adjusted.

From the above description it will be seen that I have provided a simple construction of display racks adapted for stores wherein a great amount of articles are to be displayed in a comparatively small floor space. The parts of the rack are so constructed and arranged as to display articles upon the shelves or racks at any desired angle, and being constructed of transparent material, the goods upon the lower shelves may be observed and brought prominently into view while observing the articles upon the upper shelves.

When it is desired that my improved rack be used for displaying clothing, the trays are dropped to the bottom of the rack, and hangers are positioned upon the bars of the upper frame, thus presenting an effective rack for the display of clothing, and in which the trays are entirely removed from contact with the clothing displayed and entirely out of the way.

Having thus fully described the invention what is claimed as new is:

1. A display rack comprising a frame having display trays pivotally secured together

and slidably mounted upon the vertical members of the frame, means for adjusting the ends of the tray upon the members of the rack, and means for adjusting the members of the tray at any desired angle in relation to each other.

2. A display rack comprising a frame having display trays, the display trays comprising a pair of frames pivoted together and provided with slidable coupling members co-acting with the vertical members of the frame, means whereby the ends of the trays may be adjusted and secured upon the vertical members of the frame, and means whereby the members of the tray may be adjusted at any desired angle in relation to each other and held in said adjusted position.

3. A display rack comprising a frame, display trays adjustably secured upon the frame, said display trays comprising frames pivoted longitudinally together and provided with means whereby their ends may be adjusted at any angle upon the frame and retained in such adjusted position, and means whereby the trays may be adjusted at any desired angle in relation to each other and retained in such adjusted position.

4. A display rack having a suitable frame, slidable collars upon the frame, telescoping tubes upon the collars, connecting members for each of the tubes, hinges upon the members, and centrally pivoted display trays connected with the hinges.

5. In a display rack, a frame comprising upright members and connections therefor, collars upon the members, telescoping tubes transversely connecting the collars, horizontal telescoping tubes connecting the transverse tubes, hinges upon the horizontal tubes, centrally pivoted trays connecting the hinges, and means for retaining the tubes upon the upright members of the frame.

6. In a display rack, a frame comprising upright members and connections therefor, collars upon the members having retaining elements, telescopic members connecting the collars, collars having retaining elements upon the telescopic members, hinges upon the members, and centrally pivoted trays upon the hinges.

7. A display rack of the character described, having adjustable trays and holders and an inclined shelf upon its top, transverse tubes above the shelf and longitudinal wires connecting the transverse tubes, and adapted for the reception of a cloth or cover for the rack.

In testimony whereof I affix my signature in presence of two witnesses.

HERBERT F. COOK.

Witnesses:

PEARL B. McMILLAN,
ASLE A. SANDEN.