No. 706,930.

Patented Aug. 12, 1902.

B. N. GRIMSHAW.

DISPLAY RACK.

(Application filed Feb. 6, 1902.)

(No Model.)

Fig. 1.

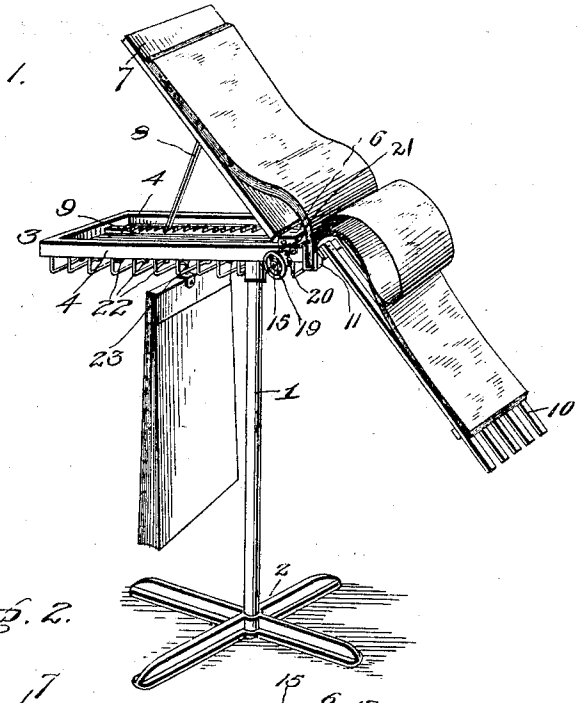


Fig. 2.

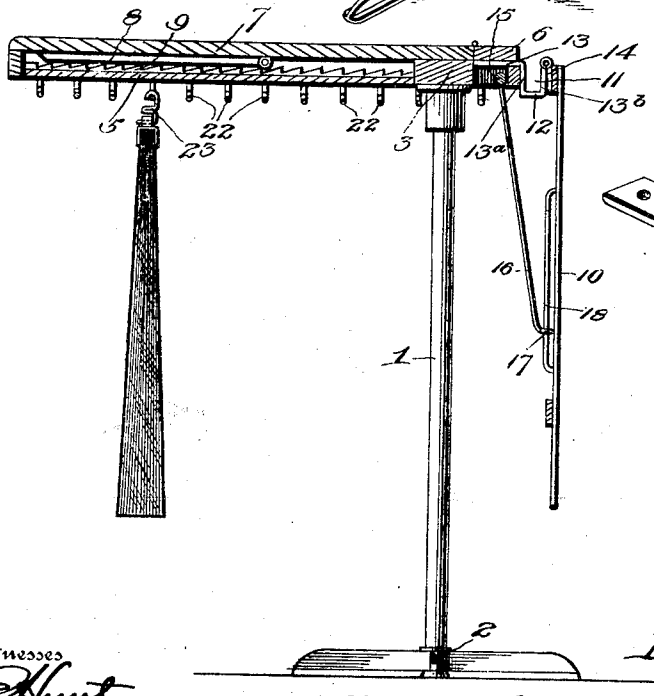
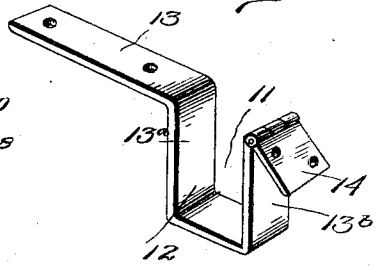


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

BENJAMIN N. GRIMSHAW, OF PITTSFIELD, ILLINOIS.

DISPLAY-RACK.

SPECIFICATION forming part of Letters Patent No. 706,930, dated August 12, 1902.

Application filed February 6, 1902. Serial No. 92,835. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN N. GRIMSHAW, a citizen of the United States, residing at Pittsfield, in the county of Pike and State of Illinois, have invented certain new and useful Improvements in Display-Racks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to display-racks, and more particularly to that class designed for displaying wall-paper bound in book form.

The object of the invention is to provide a device of this character which shall be simple of construction, durable in use, comparatively inexpensive of production, and with a wide range of adjustment whereby the paper being displayed may be exposed to various lights and shadows.

A further object is to provide means for supporting the books of samples of paper when not in use.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating my invention and one book of samples hung from the adjustable rack in position for use. Fig. 2 is a longitudinal vertical sectional view with the shelves lowered, and Fig. 3 is a detail perspective view of the book-holder.

Referring to the drawings, 1 denotes a post or pedestal having a supporting-base 2 and provided at its upper end with a head 3, consisting of side pieces 4, a bottom piece 5, and an upper cross-piece 6, connecting the side pieces at their forward ends.

7 denotes the rear shelf, hinged to the rear edge of the cross-piece and provided with a hinged leg 8, which is adapted to engage a rack-bar 9, secured to the head for the purpose of holding the shelf in proper adjustment.

10 denotes the forward shelf, and 11 denotes the book-holders, each consisting of a U-shaped frame 12, having an extension 13 integral with the side piece 13^a of the U-shaped frame, and a hinged extension 14 hinged to the side piece 13^b of the frame. The extension 13 is fixed to the under side of the cross-bar, and the extension 14 is fixed to the shelf 10.

In displaying a book of samples the back of the book is slipped into the U-shaped frame, of which there may be any suitable number, and the book spread apart, one cover of the book being supported by the rear shelf and the other cover by the forward shelf. Any suitable means may be employed for adjusting the forward shelf and holding it in adjusted position at an angle to the post or pedestal. A convenient and preferred means comprises a shaft 15, journaled in the side pieces of the head and having a crank-arm 16, formed with an eye 17, which is connected with a rod 18, secured to the under side of the forward shelf, and has a sliding engagement therewith. The ends of this rod may be turned at an angle and driven into the back of one of the bars of the forward shelf for the purpose of holding the rod in position, or any other suitable means may be employed. One end of the shaft is provided with an operating-handle 19 and with a ratchet-wheel 20, which wheel is engaged by a spring-dog 21, pivoted to one of the side pieces of the head. After the shelf has been adjusted the dog will hold it in desired adjustment. To lower the shelf, the dog is disengaged from the ratchet and the shelf is permitted to lower. Secured to the other side of the head is a series of transversely-mounted supporting-bars, each of which is provided with a drop or indent 22, which is adapted to receive hooks 23, carried by the back of the book, and when these hooks are in the indents the books will be arranged in parallel and uniform order and will not have their side edges projecting beyond the sides of the head. Thus is produced a compact display-rack, one which will effectually display the goods to the prospective customer and which when not in use may be folded into small compass.

From the foregoing description, taken in connection with the accompanying drawings, the construction, mode of operation, and advantages of the invention will be readily understood without requiring an extended explanation.

Various changes in the form, proportion,

and details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a display-rack of the character described, the combination with a post or pedestal, of a head secured thereto and consisting of side pieces 4 and a bottom piece 5 to form a tray, a shelf hinged at its forward end to the forward end of the head and adapted to serve as a cover for the tray, means for supporting the shelf in an inclined position, a second shelf, and book-holders connecting the second shelf with the head and adapted to receive and support the back of a book, and means for supporting the second shelf in an inclined position, substantially as set forth.

2. In a display-rack of the character described, the combination with a post or pedestal, of a head secured thereto and consisting of side pieces 4 and a bottom piece 5 to form a tray, a shelf hinged at its forward end to the forward end of the head and adapted to serve as a cover for the tray, means for supporting the shelf in an inclined position, a second shelf, and book-holders connecting the second shelf with the head and adapted to receive and support the back of a book, and means for supporting the second shelf in an inclined position, said means comprising a transversely-disposed shaft having a crank-arm slidably connected to the said second shelf, a hand-wheel for operating the shaft and provided with a ratchet, and a spring-pawl for engaging said ratchet, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

BENJAMIN N. GRIMSHAW.

Witnesses:
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A. H. COCHRAN.