

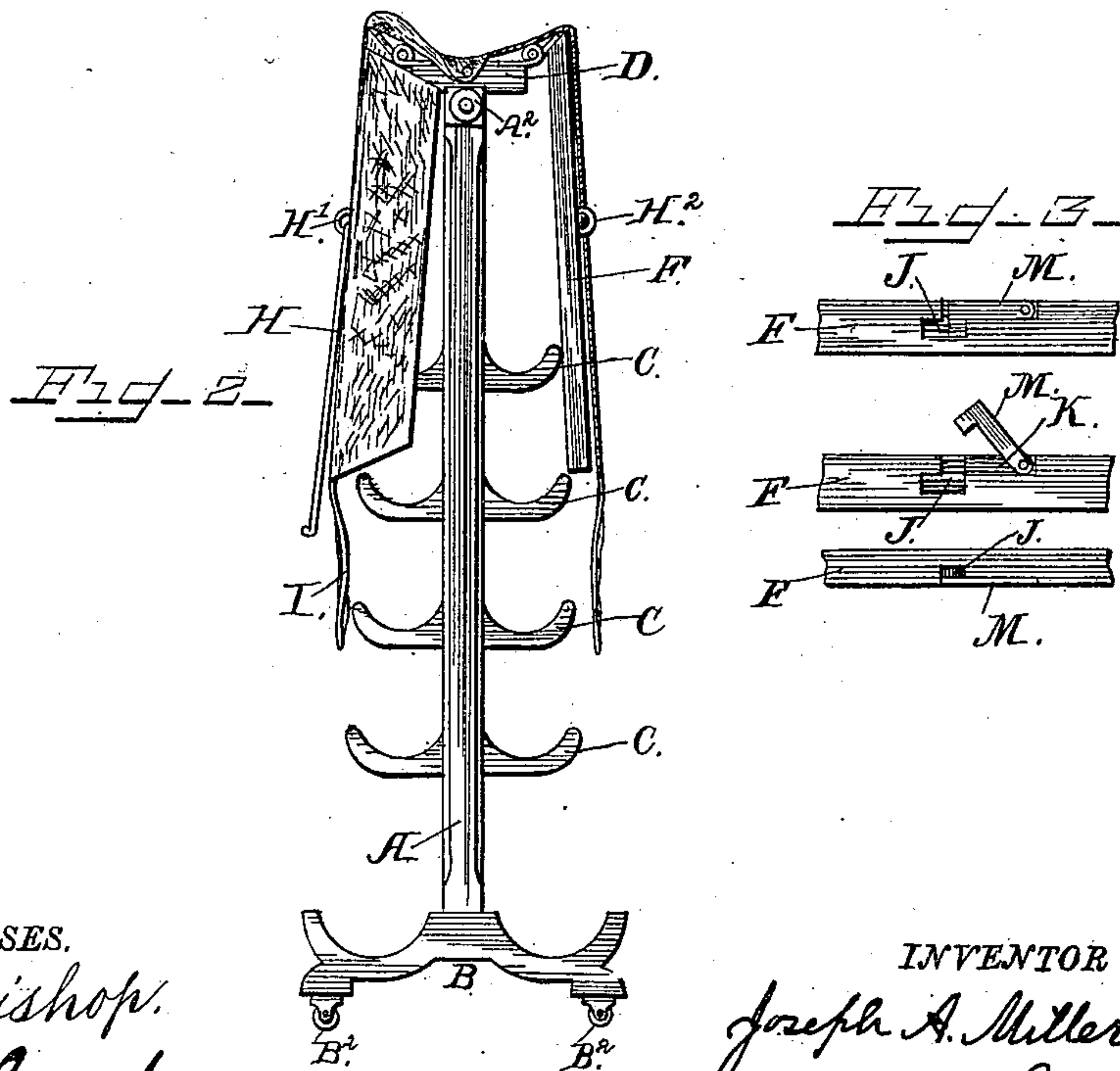
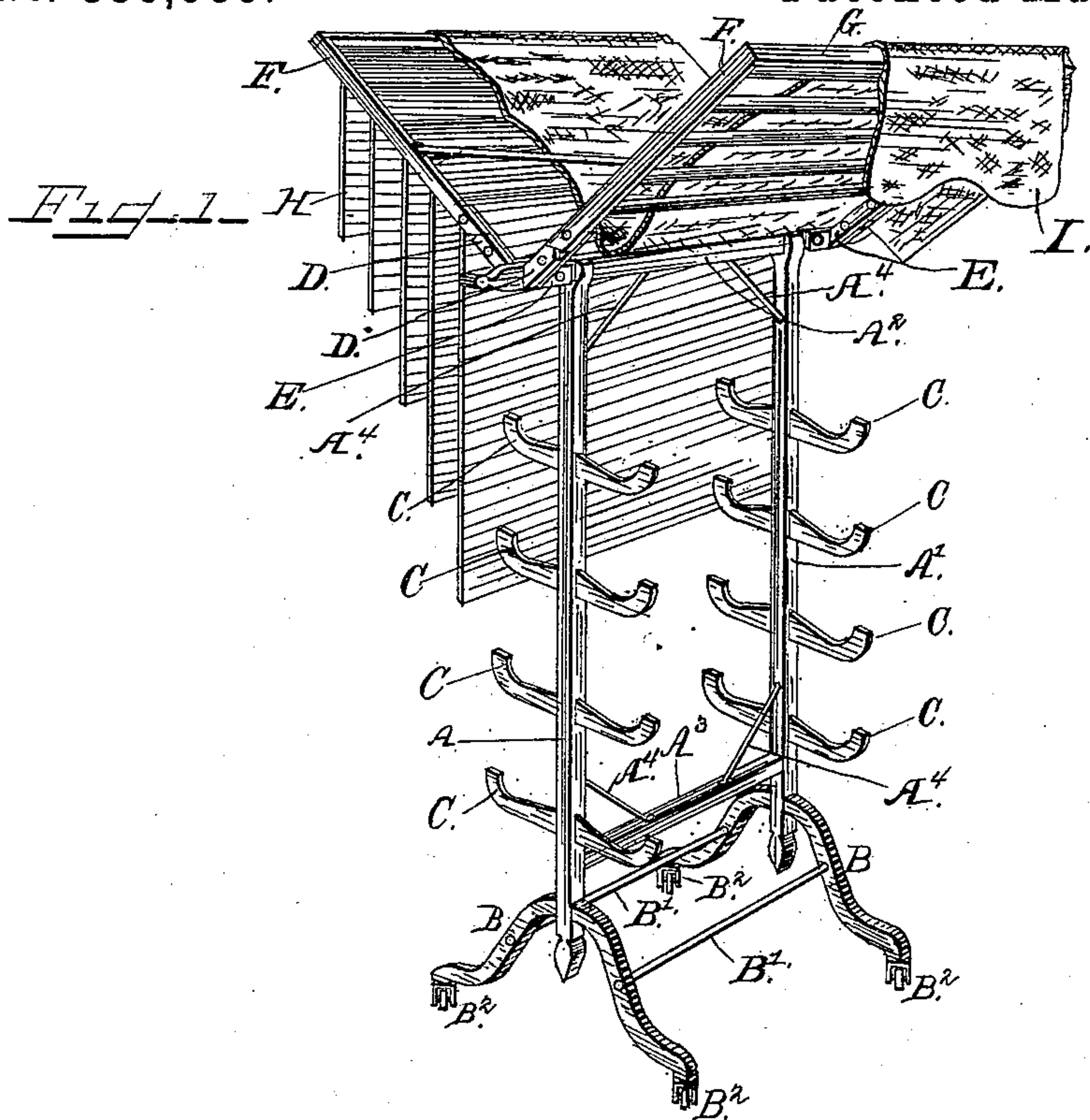
(No Model.)

J. A. MILLER.

DISPLAY RACK.

No. 336,935.

Patented Mar. 2, 1886.



WITNESSES.
R. W. Bishop.
Petra Specht

INVENTOR
Joseph A. Miller
By R. O. & A. T. Lacey
Attorneys.

UNITED STATES PATENT OFFICE.

JOSEPH A. MILLER, OF GALVA, ILLINOIS.

DISPLAY-RACK.

SPECIFICATION forming part of Letters Patent No. 336,935, dated March 2, 1886.

Application filed June 12, 1885. Serial No. 168,498. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH A. MILLER, a citizen of the United States, residing at Galva, in the county of Henry 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention has reference to devices for displaying goods in stores, and is intended especially for use in displaying window-shades.

It consists, broadly, in two standards braced and held together and a rack-frame supported by the standards and adapted to be folded down alongside the standards, as will be hereinafter fully described, and specifically pointed out in the claims.

In Figure 1 of the drawings I have shown a perspective view of my display-rack as in use with the cover partly broken away. In Fig. 2 I have shown a side elevation of the device with the rack-frame swung down alongside the standards and the cover partly broken away. Fig. 3 is a detail view showing the method of securing the roller in place.

The construction shown in Fig. 2 is a slight modification of that shown in Fig. 1, which is the form I prefer to use.

A A' are two standards placed a proper distance apart and held by the cross-bars A² A³ and the braces A⁴. The standards do not rest upon the floor, but are supported by braced legs B. These legs B are braced by the rods B', and are provided with casters B², by which the rack can be moved to any point desired.

The standards A A' are each provided with a series of hooks or supports, C, for holding the window-shades which are not being displayed. The lowest one of these supports is the largest, and they gradually grow smaller toward the top, as shown most clearly in Fig. 2, thus throwing the center of gravity toward the middle of the base. The upper cross-bar, A², extends past the standards A A', as shown.

To the projecting ends of the cross-bar A², I secure short beams D, to which the side bars

of the rack-frame are connected. These beams D may be secured on the cross-bar A², either horizontally or obliquely, as shown.

I have shown two methods of connecting the rack-frame to the beams D. The preferred form is that shown in Fig. 1. An angle-iron, E, is placed in each of the angles formed by the beams D and the cross bar A², and has one arm secured to the cross-bar and one to the beam. The arm which is attached to the beam is made longer than the beam and extends past the same. The side bars of the frame are pivoted to the extended portion of the angle-irons. The outer ends of the beams D are beveled to form supports for the rack-frame side bars, as shown. Where so desired, angle-irons E can be dispensed with and the rack-frame side bars hinged directly to the beams D, as shown in Fig. 2, without departing from the principles of my invention.

The rack-frame is composed of the side bars, F, and the end bar, G. It is made in two sections supported on opposite sides of the cross-bar A⁴, as shown. The two sections are held from falling by connecting hooked rods H, hung in eyes H', upon the side bars of one section, and engaging eyes H², upon the side bars of the other section. A cover, I, is placed over the rack-frame, and extends over both sections thereof. This cover is secured to the beams D, and is provided with slits for the admission of the eyes H' H². The purpose of this cover is to protect the stock from dust, as will be understood.

The window-shades are held upon rollers supported in the side bars, F, of the rack-frame. The manner of supporting the rollers is clearly shown in Fig. 3. A slot is formed in the side bars, F, and the trunnion of the roller is placed in this slot. The slot J is formed in two parts, as shown, the lower part running in the direction of the length of the side bar and the upper part running at right angles thereto. A recess or mortise, K, is formed in the upper edge of the side bar, and an L-shaped latch or button, M, is pivoted to one end of this recess. When the roller-trunnion is placed in the slot J, it will at once pass to the end of the lower part of said slot. The latch or button M is then turned down, and its short arm fits into the upper part of the slot J and over the trun-

nion of the roller, securely holding it in place. It will be seen that the rollers can be readily removed when so desired.

By the use of my device several different
5 designs of window-shades can be displayed at one time, and a comparison of their several qualities readily made. The supports C enable the salesman to keep a large variety of samples at hand ready to be displayed. The
10 rack, being mounted on rollers or casters, can be easily moved to different parts of the store, as may be desired.

While I have described my device as being used in displaying window-shades, it will be
15 understood that it can be used for showing samples of cloth, silk, and similar goods.

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

20 1. In a display-rack, a pair of vertical standards arranged at a distance apart, in combination with a series of arms or hooks projected from opposite sides of each standard, said arms gradually increasing in length from top to bot-
25 tom of the standards, as and for the purposes set forth.

2. The combination, with the vertical stand-
ards arranged at a distance apart and united by cross-bars, of two rack-frames pivotally
30 connected to one of the cross-bars, one on each side thereof, and a hook attached to the one

and an eye to the other frame, whereby the frames are supported in a raised position, substantially as specified.

3. The rack-frames carrying a series of dis- 35
play-rollers, in combination with the short rack-supporting beams, the cover, and the rod for holding the rack-frames in a raised position, substantially as described and shown.

4. The combination of the display-rollers, the 40
side bars, F, provided with slot J, and the latch or button M, pivoted upon the side bar, F, substantially as shown and described.

5. The hereinbefore-described device for displaying merchandise, consisting of a pair of 45
standards provided with a series of hooks or stock-supports, and supported in a suitable base provided with rollers or casters, suitable braces and cross-bars connecting the stand-
ards, beams D, supported by the upper cross- 50
bar, connecting the two standards, and rack-frames pivotally connected to the beams D, provided with means for holding the rack-frames in a raised position, and the cover I,
substantially as shown and described. 55

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

JOSEPH A. MILLER.

Witnesses:

J. T. ANDERSON,
THOMAS SMITH.