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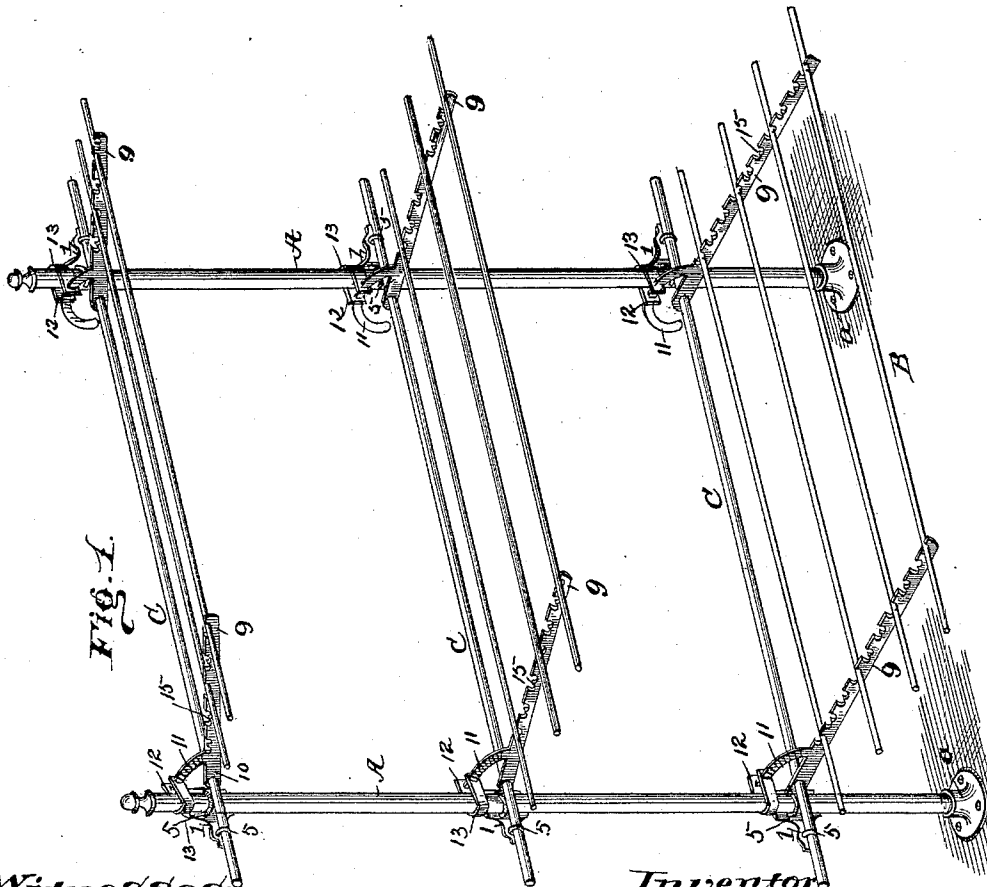
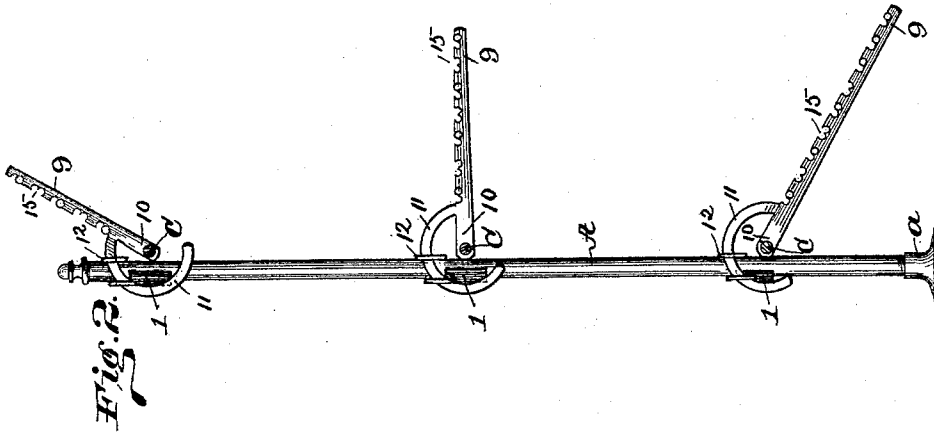
3 Sheets—Sheet 1.

B. G. CASLER.

SHOW RACK FOR STORE WINDOWS, &c.

No. 444,815.

Patented Jan. 20, 1891.



Witnesses:

E. D. Waes

Ch. S. McArthur

Inventor:

Benjamin G. Casler
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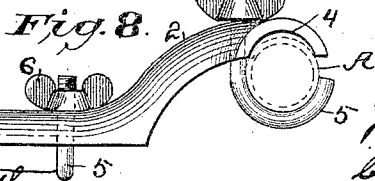
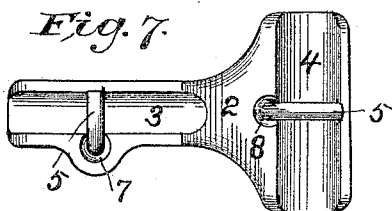
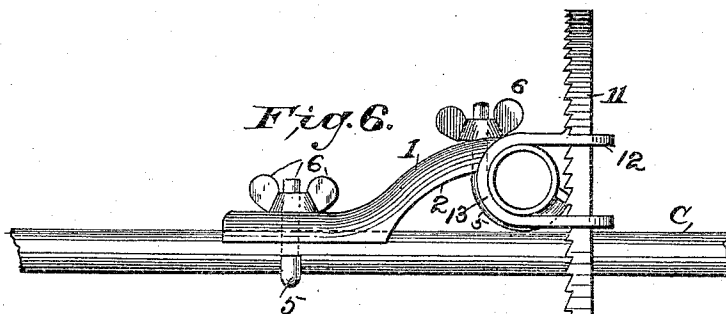
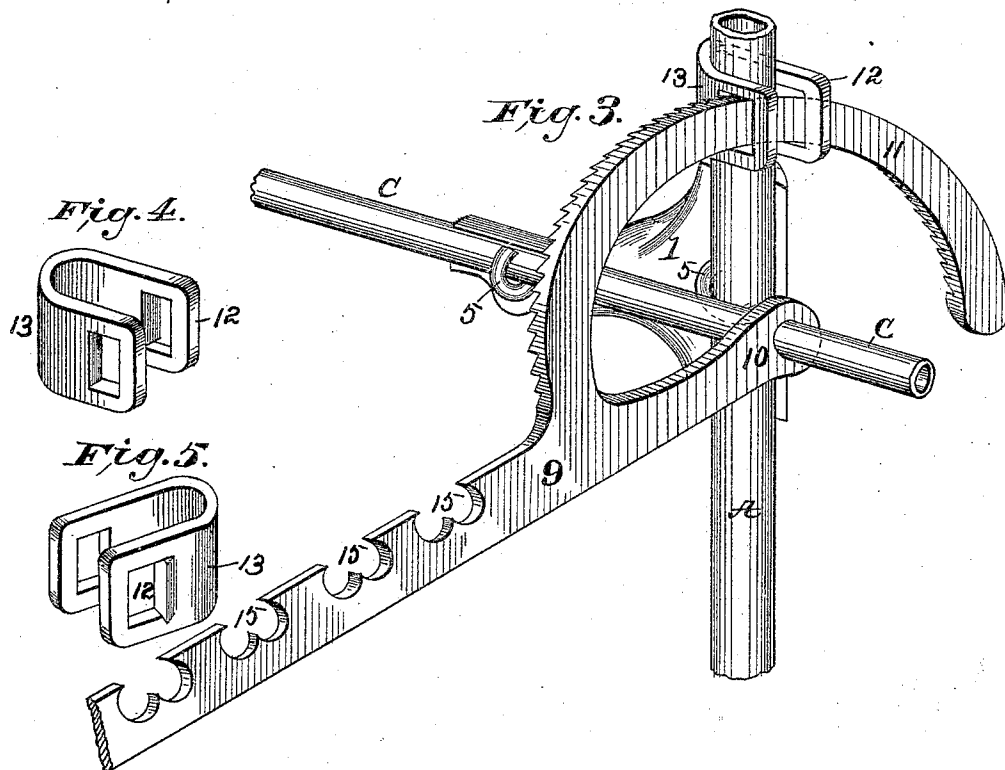
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3 Sheets—Sheet 2.

B. G. CASLER.
SHOW RACK FOR STORE WINDOWS, &c.

No. 444,815.

Patented Jan. 20, 1891.



Witnesses:

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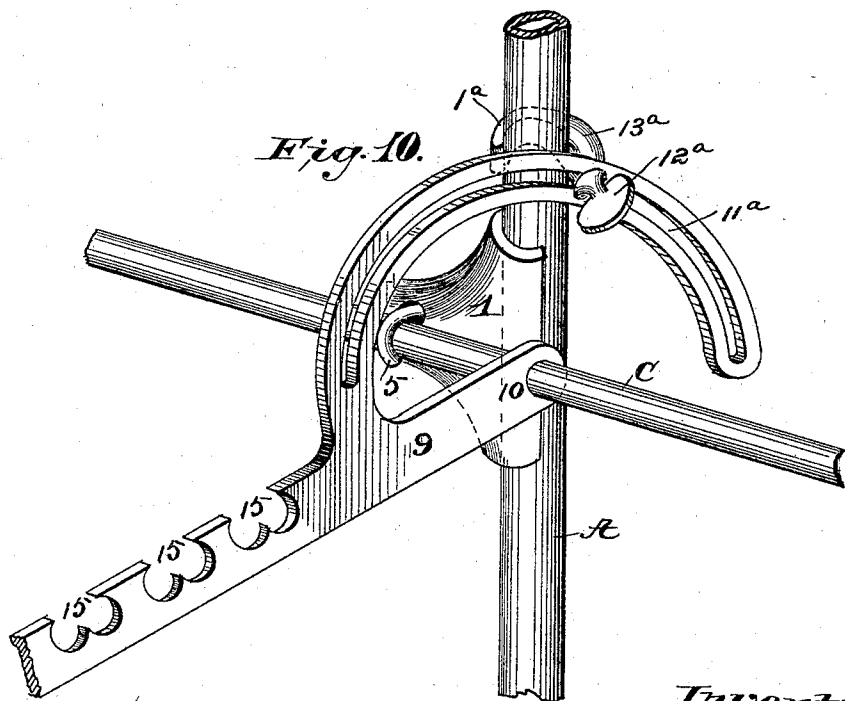
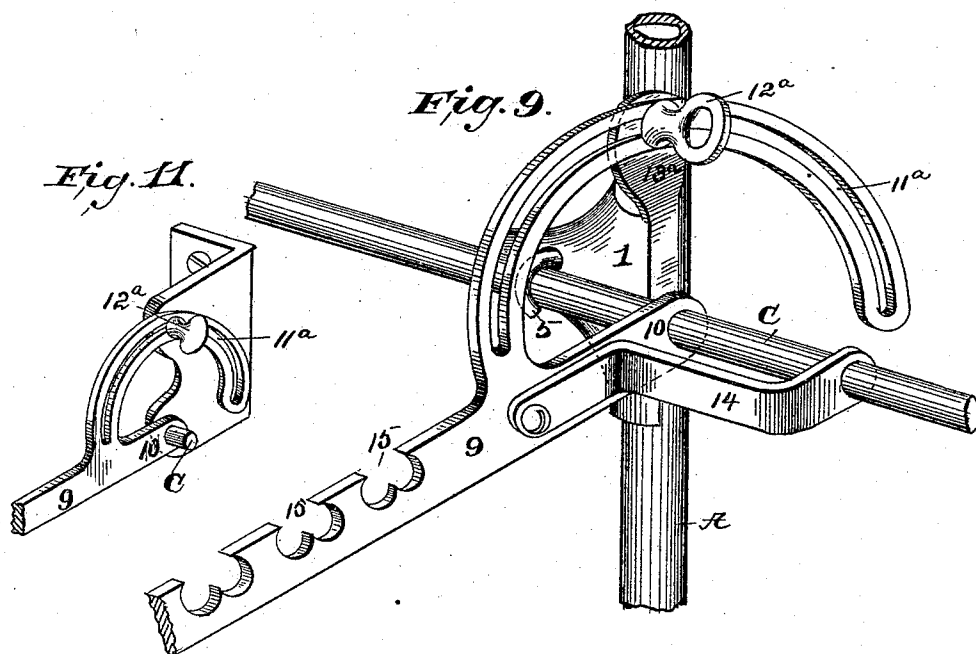
(No Model.)

3 Sheets—Sheet 3.

B. G. CASLER.
SHOW RACK FOR STORE WINDOWS, &c.

No. 444,815.

Patented Jan. 20, 1891.



Witnesses:

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UNITED STATES PATENT OFFICE.

BENJAMIN G. CASLER, OF CLEVELAND, OHIO.

SHOW-RACK FOR STORE-WINDOWS, &c.

SPECIFICATION forming part of Letters Patent No. 444,815, dated January 20, 1891.

Application filed July 10, 1890. Serial No. 358,320. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN G. CASLER, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Show-Racks for Store-Windows, &c.; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a show-rack embodying the several features of my invention. Fig. 2 is a side elevation of the same. Fig. 3 is an enlarged detail perspective view of a portion of the frame and one adjustable shelf-arm. Figs. 4 and 5 are reverse perspective views of the dog or detent for holding the adjustable shelf-arm. Fig. 6 is a plan or top view of the parts shown in Fig. 3. Fig. 7 is a detached view of the corner-block in elevation, showing the bar grooves and clamps. Fig. 8 is a plan or top view of parts shown in Fig. 7. Fig. 9 is a detail view showing one modification of the devices for holding and adjusting the shelf-arm. Fig. 10 is a detail view of another modification of the devices for holding and adjusting the shelf-arm. Fig. 11 is a detail view of a side or wall bracket which may form the vertical support for the shelf-arm.

Like symbols refer to like parts wherever they occur.

My invention relates to the construction of show-racks for the display of various goods, such as fancy goods, gentlemen's furnishings, millinery, jewelry, bric-a-brac, or any other like articles which are most effectively shown in a detached or supported state, and has for its object to provide simple and efficient elements from which, with the aid of the usual rods, bars, or tubes now commonly employed, various forms of racks may be readily constructed, which racks shall be artistic, rigid, strong, easily set up and taken down, and readily convertible from one form to another.

This invention may be said to be an improvement on those covered by my former patents, No. 398,027, dated February 19, 1889, and No. 421,907, dated February 25, 1890, as the main objects of the present invention are, first, to obtain a corner-block wherein both

the vertical and cross rods or bars of the frame may be secured on the same side of the block or their crossing concealed, if desired, and, second, to obtain a shelf-arm capable of being supported from the verticals, if desired, and also capable of a wide range in adjustment.

To this end one feature of my invention embraces a corner-block having on one of its faces intersecting bar-grooves, in combination with a clamp for securing the bars to the corner-block.

A second feature of the invention embraces a shelf-arm having at one end a segment and pivot-point, in combination with a detent or clamp for holding the arm in any previously-determined position where it has been placed.

There are other minor features of invention, all as will hereinafter more fully appear.

I will now proceed to describe my invention more fully, so that others skilled in the art to which it appertains may apply to the same.

In the drawings, A A indicate verticals or uprights, which may be supported in any suitable or well-known way. In the present instance, for purposes of illustration, the verticals A are secured in foot-pieces *a*, attached to the flooring B.

C C indicate the cross-rods or cross-bars which connect the verticals and are connected thereto by corner-blocks 1. Said corner-blocks 1 are preferably of general T shape, (see Figs. 7 and 8,) with the vertical in a different plane from the horizontal, or, in other words, curved, as at 2, to allow the cross-bar C to pass the vertical A, and are provided on one face with intersecting bar-grooves 3 and 4 for the reception of the rods A C.

5 5 indicate clamps which are used to bind the rods A C to the corner-block 1. By preference such clamps are of hooked form, threaded at the straight end for the reception of thumb-nuts 6 6, that pass through holes 7 and 8 in the corner-block, though any equivalent means of clamping the bars A C to said corner-block may be substituted therefor, if desired.

By means of a suitable number of such rods or bars as are commonly used and a sufficient number of the corner-blocks hereinbefore de-

scribed any desired form of rigid vertical frame or rack for the support of shelf-arms 9 9 may be produced.

The shelf-arms 9 I form with a pivot-hole 5 10 at one end, adapted to receive either the cross-rod C or any equivalent journal or pivot which will permit the rotation of the arm, and I surround the same with the segment of a circle 11, with which engages a clamp or detent to hold the arm 9 firmly in any position 10 in which it may be placed. The segment 11 should be of sufficient extent to allow movement of the arm through any desired distance—say one hundred and eighty degrees—and is preferably constructed in the form of 15 a rack-bar (see Fig. 3) to engage with a detent 12, (see Figs. 4 and 5,) having a hook 13, which engages the vertical A. If, however, a more positive clamp than the detent and rack is desired, the segment 11 may be slotted, as 20 at 11^a, (see Figs. 9 and 10,) and a thumb-screw 12^a may be passed through said slot and engage a nut 13^a, either on a projection formed on the corner-block (see Fig. 9) or in a ring 25 1^a, slipped on the vertical A above the corner-block, or any equivalent clamp or detent may be used to adjustably bind the segment 11 to the vertical A. In order to brace the shelf-arm 9 against lateral play or vibration, 30 it may have a bracket-arm 14, with an eye for the passage of the cross-bar C.

The shelf-arm is provided with a series of double rod-notches 15 of a character to retain the shelf-rods 16 in whatever position or at 35 whatever angle the shelf-arms may be placed.

In cases where the slot and thumb-screw clamp, as shown in Figs. 9 and 10, is used, the arms may be finished on both sides and used at either end of the rack and either outside 40 or between the verticals A A, as preferred; but where the rack-bar and detent-clamp mechanism shown in Figs. 3 and 6 is used it will be desirable to make the shelf-arms rights and lefts, in order to obtain symmetry and 45 finish in the show-rack.

In case it is desired to use the shelf-arms as side brackets, it can be readily done by using a wall-fixture having a pivot the equivalent of cross-bar C and an upright the equivalent 50 of vertical A of the general character shown in Fig. 11 of the drawings.

Among the advantages arising from my present invention are, first, the firmness and rigidity imparted to the vertical frame by the 55 corner-blocks, as well as the simplicity of construction of said frame, and, second, the great range of adjustment permitted the shelf-arms,

as well as the rigidity and simplicity of their connection with the vertical frame.

Having thus described my invention, what 60 I claim, and desire to secure by Letters Patent, is—

1. In a show-rack, the combination, with frame-bars, of a corner-block having intersecting bar-grooves on one of its faces and 65 clamps for securing the bars to the corner-block, substantially as and for the purposes specified.

2. In a show-rack, the combination, with frame-bars, of a curved corner-block having 70 intersecting bar-grooves and clamps for securing the bars to the corner-block, substantially as and for the purposes specified.

3. In a show-rack, the combination, with frame-bars, of a corner-block having intersecting bar-grooves and hook-clamps arranged 75 in holes in the corner-block and provided with thumb-nuts, substantially as and for the purposes specified.

4. The combination, with a fixed support, of 80 a shelf-arm having at one end a pivotal bearing and segment of a circle and a clamp or detent which binds on the fixed support and the segment to hold the shelf-arm in a fixed position, substantially as and for the purposes 85 specified.

5. The combination of a shelf-arm having a pivotal bearing and segment at one end, a bracket-arm extending from the shelf-arm to the journal of said arm, and a clamp which 90 binds on the segment to hold the shelf-arm in a fixed position, substantially as and for the purposes specified.

6. The combination, with a fixed support, of a shelf-arm having at one end a pivot and a 95 segment with ratchet-teeth, and a dog or detent adapted to engage with the fixed support and with the ratchet-teeth of the segment of the shelf-arm, substantially as and for the purposes specified. 100

7. A shelf-arm having a pivotal bearing at one end and a semicircular clamp-bar or segment which projects beyond the shelf-arm and whose center is the pivotal bearing of the arm, 105 substantially as and for the purposes specified.

In testimony whereof I affix my signature, in presence of two witnesses, this 9th day of July, 1890.

BENJAMIN G. CASLER.

Witnesses:

E. H. BOHM,

J. T. BRIGHTMORE.