

E. B. WESTON.
DISPLAY RACK.
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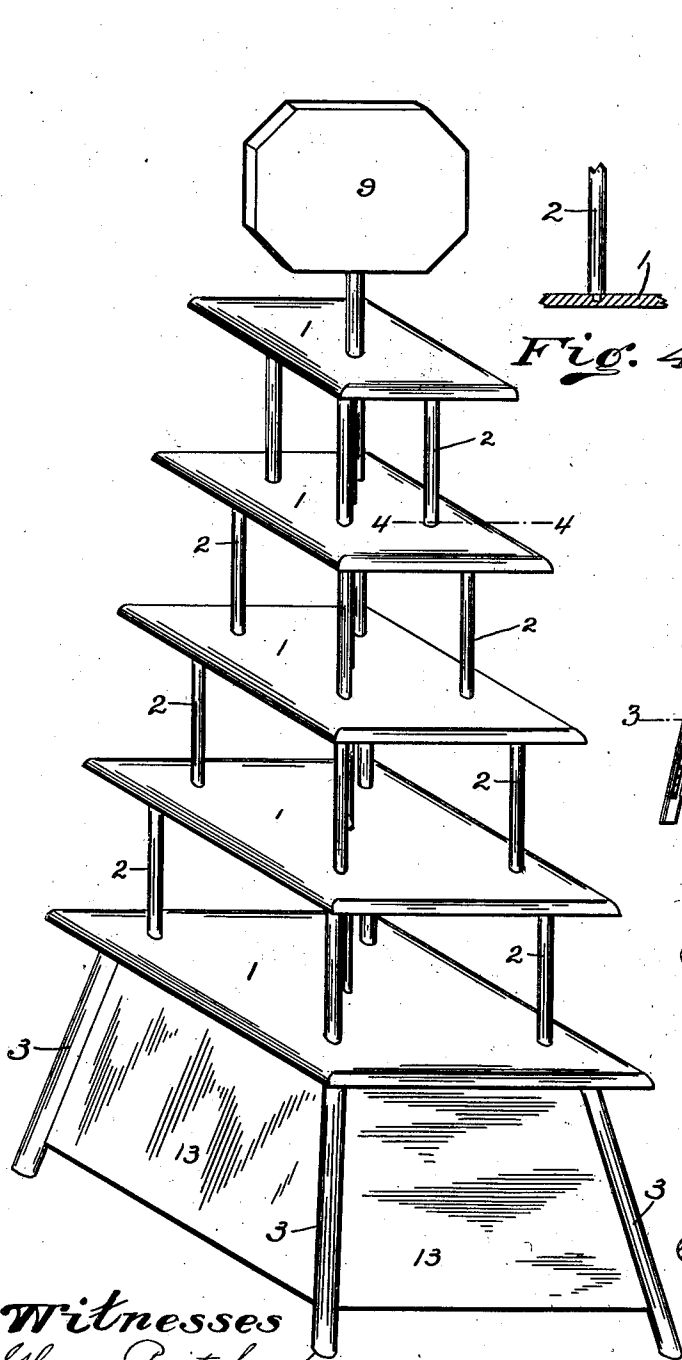


Fig. 1.

Witnesses
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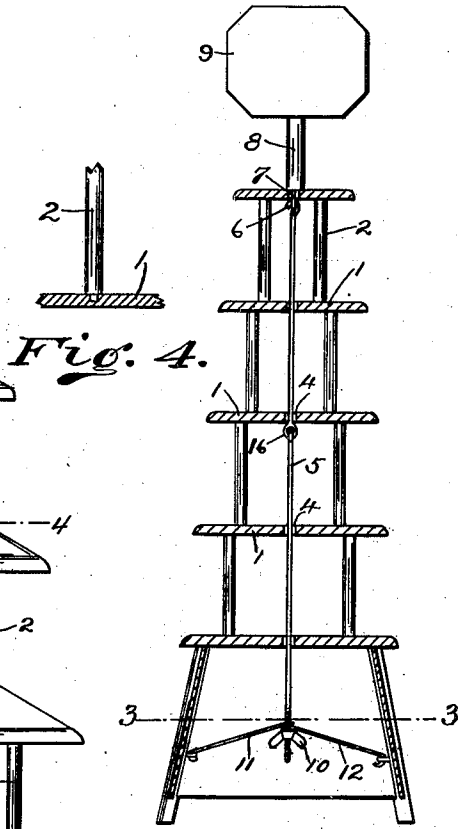


Fig. 2.

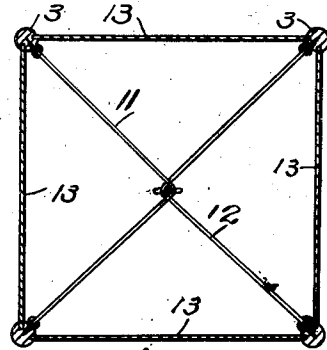


Fig. 3.

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UNITED STATES PATENT OFFICE.

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DISPLAY-RACK.

No. 844,071.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDWARD B. WESTON, a citizen of the United States, residing in Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Display-Racks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to racks for the display of goods and merchandise which may be shipped in a knockdown condition and readily and easily erected into a rack for the display of goods at a moment's notice.

The object of my invention is to supply a rack of this "knockdown" variety in which as much space as possible may be left on the shelves for the display of goods and in which the shelves and standards can be held firmly and rigidly in position to support a great amount of weight by the simple tightening of a single thumb-nut and in which no other bolts or screws are employed. The rack is also particularly designed for holding securely in position panels and signs for advertising purposes both at top and bottom by means of the same device with which the shelves and standards are braced and rigidly secured.

In the drawings, Figure 1 is a perspective view of my improved display-rack erected and ready for use. Fig. 2 is a central vertical section of same. Fig. 3 is a cross-section taken on the lines 3 3 of Fig. 2. Fig. 4 is a detail of one of the shelves and its support, taken on line 4 4 of Fig. 1.

1 1 are a series of shelves of suitable material, in the present construction preferably of wood, and any shape, either rectangular, oblong, or circular, as may be desired. These shelves are graded in size, so that when the rack is erected it may be pyramidal in shape.

2 2 are the standards or supports for the shelves, and 3 3 the bottom supports or legs for the rack. Each shelf is mortised, and a tenon is provided at each end of each support, and the mortises are set in a suitable distance from the edge of the shelves, so that ample room will be left for the display of goods. A hole 4 is bored through the center of each shelf, and through this opening a metallic rod 5 is passed. This rod is linked at the middle at 16 in order that it may be folded to take less space in the knocked-down package. The upper end of this rod is provided with a

hook 6, which is hooked into an eye 7 on the lower end of a support 8, on which is mounted a tablet 9 for the display of such advertising matter as may be desired. The lower end of this rod 5 is screw-threaded and provided with a thumb-nut 10. Secured at the outer ends of the legs 3 3 are metallic loops 11 12, which cross each other at the center and embrace the rod 5. The lower shelf is provided with inclined mortises for the reception of the tenons on the upper ends of the legs 3 3, so that when in position the legs will flare outwardly, so as to give a more substantial support. Longitudinal mortises are formed in these legs for the reception of panels 13 13, upon which also any desired advertising matter can be placed.

By screwing up the thumb-nut 10 on the lower end of the rod 5 the legs 3 will be securely braced by the wire loops to hold the panels in place, and the downdraft on the rod will draw together and securely brace the shelves and their supports 2, so that a very strong and rigid structure is the result, and at the same time the standard 8 and advertising-tablet 9 will also be held rigidly in place.

It will be evident that for packing and shipping purposes that the rack can be readily taken apart and packed in a very small compass. By loosening and taking out the rod 5 the shelves and their supports can be readily taken apart, so that the shelves can be all laid together one on top of the other with the panels and advertising-tablet and the several supports and legs and with the rod folded, and thus a very compact package is the result.

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

1. In a display-rack, a series of shelves, and removable supports for holding same in position, with a rod extending centrally from the top to the bottom shelf, wire loops secured to the bottom supports and embracing said rod, with a nut on the lower end of said rod bearing against said loops, whereby upon the tightening of the nut the shelves will be securely braced together.

2. In a display-rack, a series of shelves, and removable supports for holding same in position; a panel with its support mounted at the middle of the top shelf and a rod extending centrally through said shelves, from the panel-support to the bottom shelf, and a

nut for tightening the draft of the rod to hold the panel and the shelves and their supports rigidly together.

3. In a display-rack, a series of shelves, 5 and removable supports for holding same in position, a panel with its support mounted at the middle of the top shelf and a rod extending centrally through said shelves, from the panel-support to the bottom shelf, and 10 wire loops secured to the bottom supports and embracing said rod, with a nut on the lower end of said rod bearing against said loops, whereby upon the tightening of the 15 nut the shelves and panel and their supports will be securely braced together.

4. In a display-rack, a series of shelves, and removable supports for holding same in position, with a rod extending centrally from the top to the bottom shelf, wire loops secured to the bottom supports and embracing 20 said rod, with a nut on the lower end of said rod bearing against said loops, and panels inserted between the bottom supports, whereby upon the tightening of the nut the shelves and panels will be securely braced 25 together.

EDWARD B. WESTON.

Witnesses:

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