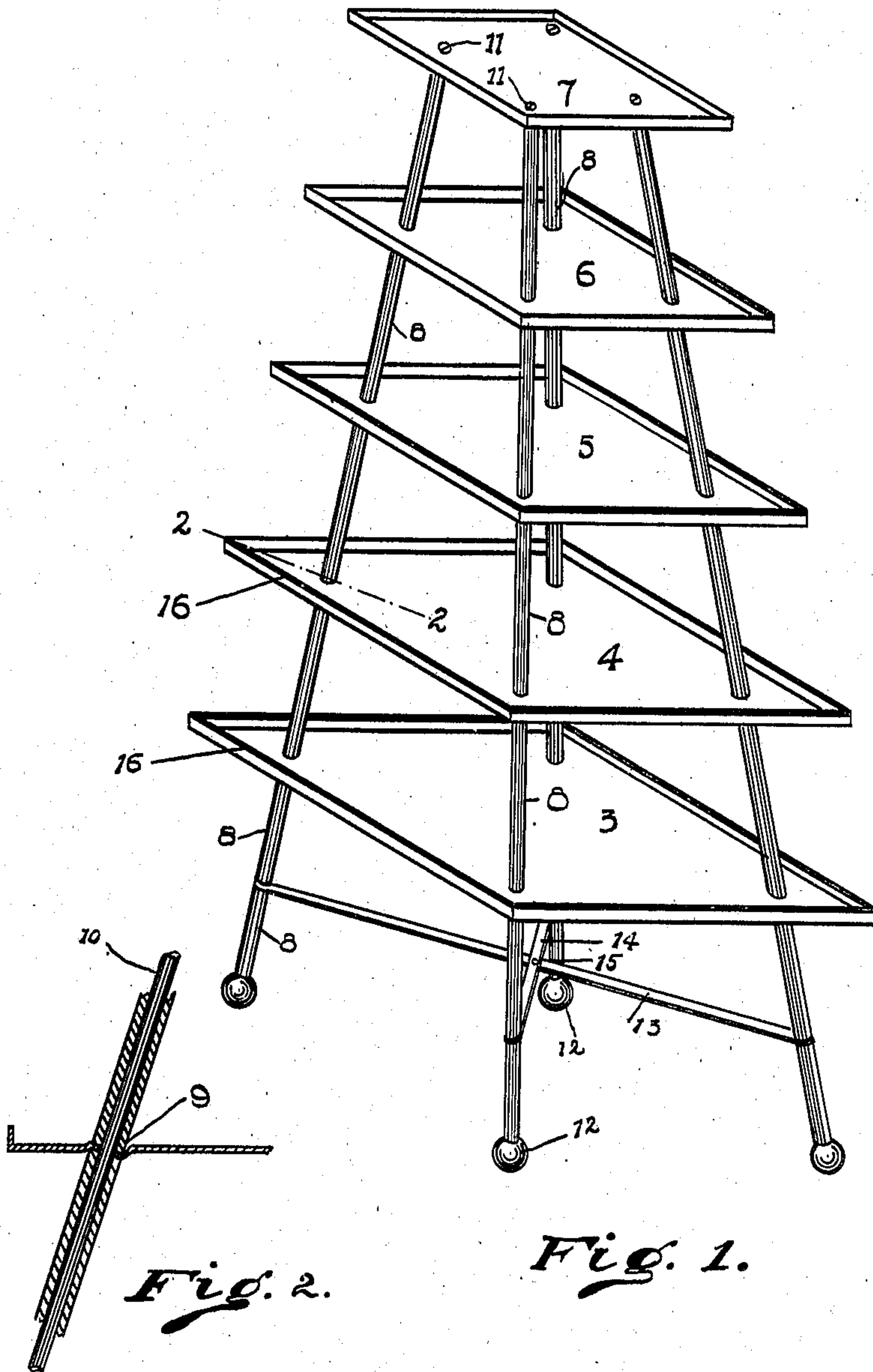


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DISPLAY RACK.
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900,331.

Patented Oct. 6, 1908.



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DISPLAY-RACK.

No. 900,331.

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, 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 merchandise of metallic construction, which may be readily and easily taken apart and shipped in knock-down condition, to be easily erected for use, and the invention consists of certain novel construction and arrangement of parts to be hereinafter particularly pointed out and claimed.

In the drawings Figure 1 is a perspective view of my improved rack. Fig. 2 is a detail vertical section on the lines 2—2 of Fig. 1.

The shelves comprise a series of metallic trays 3, 4, 5, 6, and 7, of any desired number, rectangular in shape, and graded in size so that they may be arranged in pyramidal form. These shelves are held the proper distance apart by the metallic tubes 8—8 which rest above and below the trays in the depressions 9, so that the tubes will fit snugly on the shelves, and at the same time may be arranged in a diagonal position.

Extending through the tubes, and through central openings in the depressions 9 in each of the shelves or trays are the rods 10, which form the four supports for the shelves. The upper ends 11 of these rods are held in a counter sunk depression in the uppermost shelf 7, and the lower ends of the rods are screw-threaded and provided with the spherical heads, or nuts, 12, which form the feet for the rack.

13—14 are metallic cross bars pivoted together at the center at 15, and with openings at the outer ends through which the rods 10 pass.

It will be evident that by tightening the nuts 12, the shelves and collars 8 will be rigidly secured together, and a strong and substantial pyramidal display rack obtained. The shelves preferably have upturned flanges

16—16 to more effectually hold the goods thereon, but while I have illustrated my shelves or trays as rectangular in shape, it will, of course, be understood that they may be circular, oval, or other polygonal shapes other than rectangular.

By my construction I obviate the necessity of providing any central brace or rod, which takes up space on the shelves, and I provide a construction in which substantially the entire surface of the shelves may be filled with the merchandise to be displayed.

By reason of the formation of the counter-sunk depressions in each shelf, and the cross braces below the shelves, I am able to provide the tubes 8 all of the same size, and interchangeable, so that the rack may be erected for use without any selection of these parts, and in the least possible time, and it will also be seen that the shelves themselves also serve as cross braces for the supports.

For packing the rack for transportation and storage, the trays will fit inside each other, and will also hold the tubes, the cross braces may be folded, and the four rods, the cross braces, and the trays with the collars, will form a compact package, taking up very little space.

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

In a display rack, a series of shelves of graded sizes, arranged horizontally in pyramidal position one above the other, a series of tubes to separate the shelves, inclined outwardly from one shelf to another, near the outer edge of the shelves, and conforming in position to the outline of a pyramid, said tubes having squared ends, depressions in the shelves to receive the ends of the tubes, with rods extending through the tubes and shelves, and means for tightening the rods to draw the tubes together, whereby the rack will be securely braced without the necessity of any central support or braces, substantially as described.

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Witnesses:

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