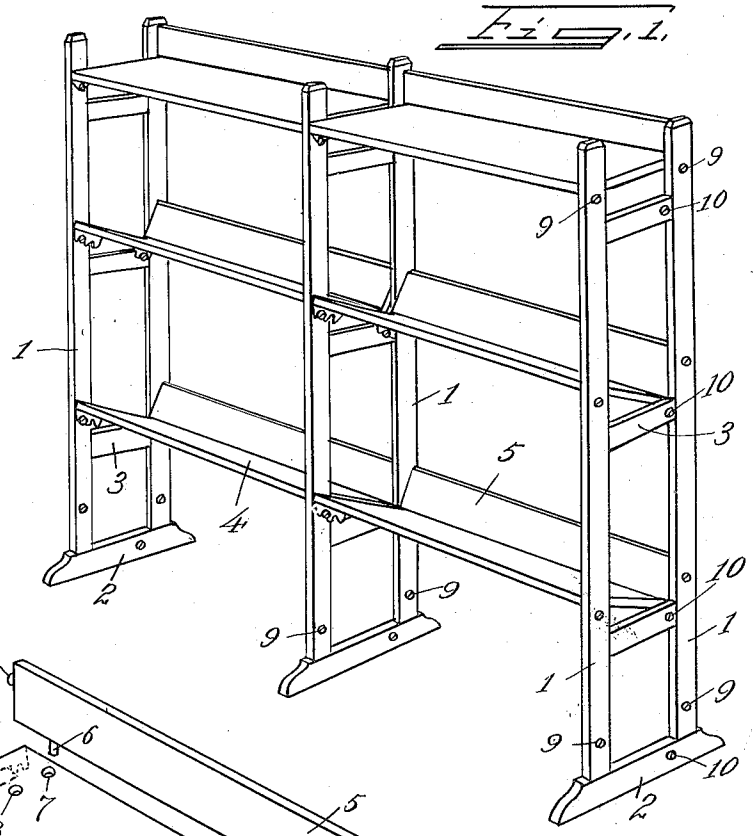
E. B. WESTON

DISPLAY RACK.

APPLICATION FILED APR. 22, 1922.

1,427,249. Patented Aug. 29, 1922.

Fig. 1.



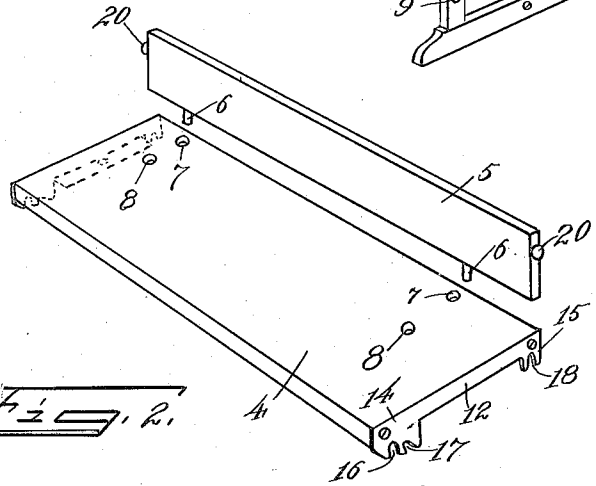


Fig. 2.

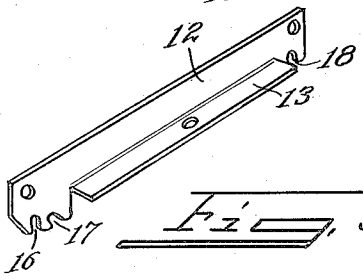


Fig. 3.

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DISPLAY RACK.

1,427,249. Specification of Letters Patent. Patented Aug. 29, 1922.

Application filed April 22, 1922. Serial No. 556,069.

To all whom it may concern:

Be it known that I, EDWARD B. WESTON, a citizen of the United States, and a resident of 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 improvements in wooden racks for the display of merchandise, and particularly to the type of rack which is arranged to be built up in sections to cover as long a display space as may be required.

The object of the invention is to provide a wooden rack of the simplest construction possible to be shipped in knock-down condition with all parts interchangeable, and in which the shelves can be arranged either horizontally or in an angled position to display more effectively tins and cartons of cakes, biscuits and the like, in which it is desired to present the top of the box, usually provided with a glass protected display opening, in a somewhat vertical position.

In the drawings,

Figure 1 is a perspective view of two sections of the rack with the top shelves horizontal and the other shelves at an angle.

Figure 2 is a perspective view of one of the shelves with its back separated.

Figure 3 is a perspective view of one of the metal plates to be secured to the ends of the shelves to support them in the side standards.

The side standards are formed of two parallel upright members 1, 1, mounted on suitable bases 2 and provided with cross bars 3, 3, at the desired height of the several shelves.

The shelves are made up of a main shelf 4, wide enough to fit between the two uprights of each standard, and a separate back member 5, which preferably is about a third as wide as the main shelf. This back member is mounted at right angles to the main shelf by dowel pins 6, 6, which for full sized packages take into corresponding holes 7, 7, at the rear edge of the main shelf. In order to provide a back for smaller sized packages other dowel pin holes 8, 8, are provided

Each side standard at the proper height for each shelf is provided with three bolt holes, two of them 9, 9, one in each upright, are bored on the same horizontal plane, while the third hole 10 is bored in the cross brace near the back.

Each shelf is equipped at the ends with a metal plate 12 screwed or otherwise secured to the end of the shelf and provided with a right angled flange 13, which is secured to the bottom of the shelf. The ends of these plates have downward extensions 14 and 15, the front extension being provided with a pair of slots 16, 17, diverging somewhat, and the rear extension is provided with a single slot 18.

With the bolt holes 9 and 10 at the proper distance apart, the standards are erected and the shelves located. When it is desired to provide for shelves at an angle to the horizontal, the slots 17 and 18 in the metal plates are employed and bolts secured in the holes 9 and 10. This gives the proper angle for the shelf and the back takes a corresponding position at right angles to the main shelf.

In order to further brace the structure and take up any looseness of fit for the back I secure rubber-headed tacks 20, one or more, at each end of the back, so that the tightening of the bolts draws the rear uprights tightly against the back shelf.

It will be obvious that as many unit racks may be made up in this way as desired. There are no offsets or projections on the side standards, so that a tight and rigid structure can be formed of any number of sections.

If it is desired to provide horizontal shelves at any location, the bolts for the holes 10 are removed and the shelf raised to the horizontal through the bolt holes 9, 9. In this event the front slot 16 is employed to secure the shelf at the front as the distance between the bolt holes 9, 9, is somewhat greater than between the holes 9 and 10.

It will be obvious that where there are several units put together, that some of the shelves at the same height may be horizontally mounted and the others angled at the pleasure of the user.

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

1. In a display rack, the combination of side standards provided with bolt openings triangularly arranged, a series of shelves comprising a main supporting section and a back section, and means for securing same together in angular relation, with means

for securing the main shelves in the standards in horizontal or angled position, as desired.

2. In a display rack, the combination of side standards provided with bolt openings triangularly arranged, a series of shelves comprising a main supporting section and a back section, and means for securing same together in angular relation, each shelf provided with end plates having slotted depending portions and bolts to engage the slotted end plates and to secure the shelves in the standards in horizontal or angled position, as desired.

3. In a display rack, the combination of bases and a pair of uprights, with cross braces to form side standards for the support of shelves, the standards provided with bolt openings triangularly arranged, shelves with end plates and slotted extensions, and bolts for securing the shelves in the standards in horizontal or angled position, as desired.

4. In a display rack, the combination of side standards provided with bolt openings triangularly arranged, a series of shelves comprising a main supporting section and a back section, and means for securing same together in angular relation, each main shelf section provided with end plates with depending portions, the front portion provided with two slots and the rear portion with one slot, with bolts to secure the shelf in the standards, either horizontally or at an angle.

5. In a display rack, the combination of side standards provided with bolt openings triangularly arranged, a series of shelves comprising a main supporting section and a back section, and means for securing same together on angular relation, with means for securing the main shelves in the standards in horizontal or angled position, as desired, with resilient cushions for the ends of the back shelf sections bearing against the standards to make a close and tight fit.

6. In a display rack, a series of similar units comprising supporting standards with intermediate shelves, each standard provided with bolt openings triangularly and similarly arranged, a series of similar shelves comprising a main supporting member and a back member angularly disposed, each main shelf member provided with end plates depending therefrom, and single bolts for securing abutting shelves on each side of intermediate standards together to form a rack of any length desired.

EDWARD B. WESTON.