E. B. WESTON.

DISPLAY RACK.

APPLICATION FILED AUG. 18, 1906.

906,976. Patented Dec. 15, 1908

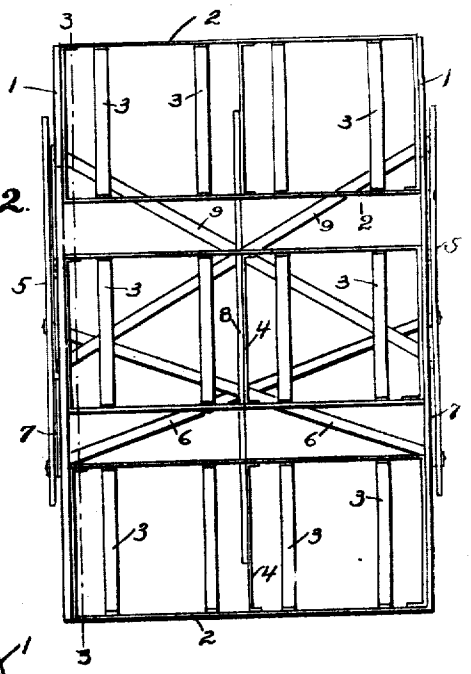


Fig. 2.

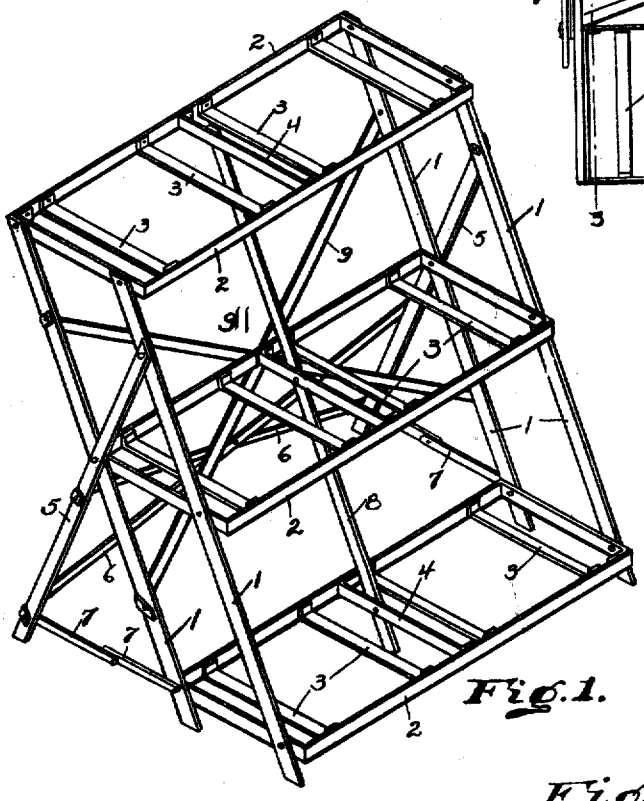


Fig. 1.

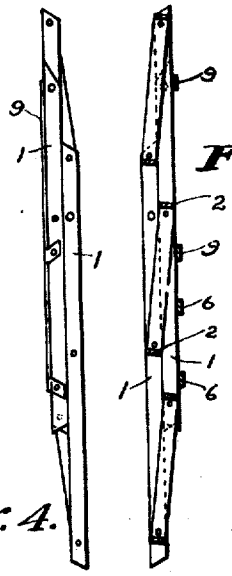


Fig. 3.

Fig. 4.

Witnesses.
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UNITED STATES PATENT OFFICE.

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DISPLAY-RACK.

No. 906,976. Specification of Letters Patent. Patented Dec. 15, 1908.

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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 improvements relate to racks or stands for the display of goods and merchandise, and it consists of that certain novel construction and arrangement of parts to be hereinafter pointed out and claimed whereby the display rack can be cheaply constructed out of metal strips, in which the requisite strength to withstand the strains incident to the display of heavy merchandise on the rack is obtained, and in which at the same time the rack can be readily and easily folded together or "knocked down", so that it can be stored and transported in convenient shape for handling, so as to occupy but very little space.

My display rack is particularly designed for the support and display of coffee cans, such as are ordinarily used by coffee dealers for coffee, and the like, in which an inclined top cover for the can is employed hinged to the permanent horizontal top piece, and the shelves of the rack are constructed of a length, width and height to hold any desired number of cans, compactly, without waste of space and so that the lids of the cans can be raised to give access to the can without interference and without removing the can from the rack.

In the drawings Figure 1, is a perspective view of my improved rack, ready for the reception of the cans. Fig. 2, is a front elevation of the rack closed. Fig. 3, is a vertical section of the rack closed taken on the line 3—3 of Fig. 2. Fig. 4, is a side elevation of the rack closed.

The entire rack is made up of metal strips, in which 1, 1, are the side standards to which the shelves are pivoted. These shelves consist of an open rectangular frame work comprising the outside frame 2 made of strip metal on edge, riveted at one corner and with the flat transverse strips 3, 3 riveted to front and rear of the frame with an intermediate metal strip 4 on edge, to divide the shelf into sections.

In the drawings I have illustrated each shelf as divided into two sections by the strip 4 and such a shelf is designed to hold two cans which rest on the flat strips 3, 3, and are held in place by the edge strip of the frame and the intermediate strip 4. Of course where the shelves are designed for three or more cans, spaces for the required number of cans will be formed by additional intermediate strips. The shelves are pivoted to the standards 1, 1, at each end such a distance apart that they will receive conveniently the cans and when in horizontal position each shelf is set back of the next lower shelf so that there will be no interference in raising the lids of the coffee cans. The standards 1, 1, are therefore inclined from the vertical and are supported in this position by the strips 5, 5 pivoted at proper points to the side standards. These supports 5, 5, are braced together by the cross-braces 6, 6 and are pivotally connected with the lower ends of the standards by the links 7, 7. In order to support the shelves and rack more effectually, I also provide an intermediate standard 8 which is pivoted to the intermediate transverse strips 4, 4, of each shelf between the front and rear of the main frame. The standards are further braced by the diagonal cross-braces 9, 9.

The construction above described affords a strong and substantial frame work, perfectly adapted for the display of coffee cans; a construction which can be folded up, as shown in Figs. 2, 3, and 4, to occupy very little space for storage or shipment and which can be at once opened out ready for use without any adjustment or securing together of the parts.

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 comprising an open frame work with flat transverse strips for the support of the cans and

intermediate strips arranged on edge to divide each shelf into sections, standards for the support of the shelves arranged in pairs at each end, and to which the shelves are pivoted in front and rear, with supports for the frame work pivoted to the standards and intermediate supports pivoted to the intermediate strips so that the rack when open will present horizontal shelves arranged in a diagonal line.

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Witnesses:
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EUGENE B. HUFFMAN.