

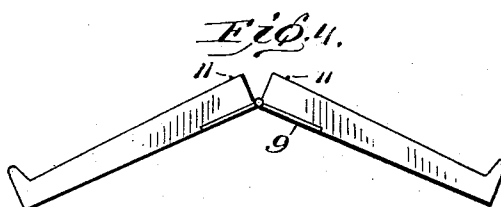
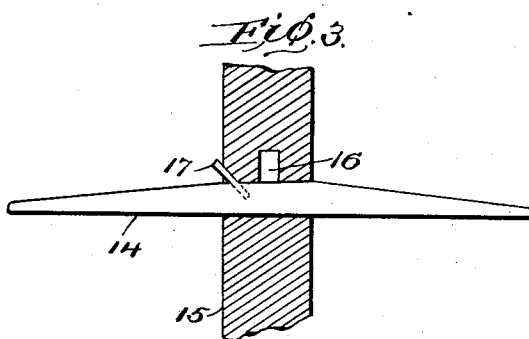
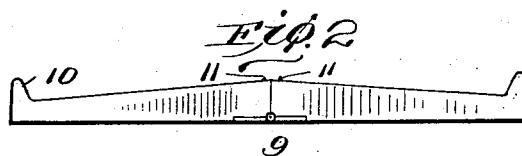
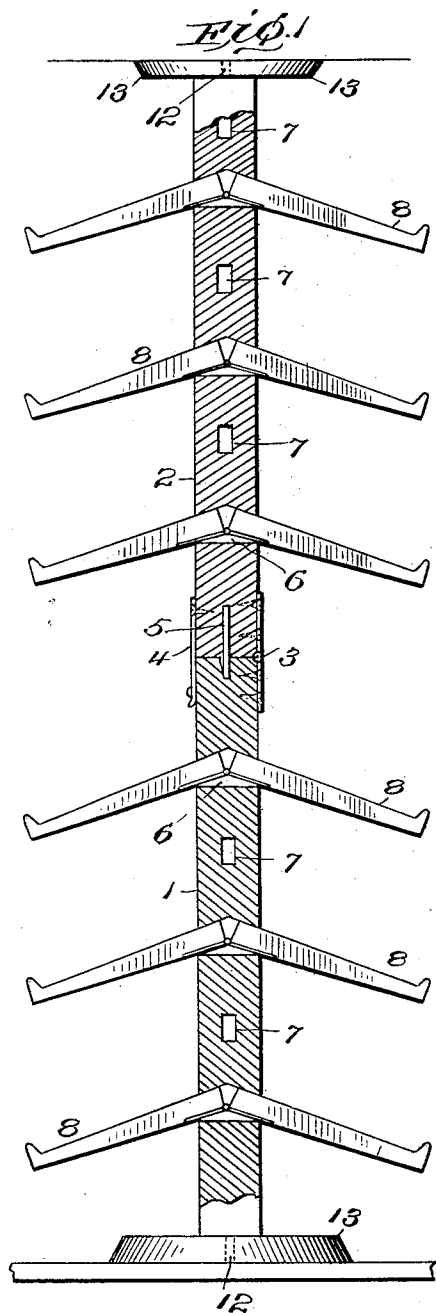
No. 734,995.

PATENTED JULY 28, 1903.

D. SULLIVAN.
DISPLAY RACK.

APPLICATION FILED FEB. 26, 1903.

NO MODEL.



WITNESSES:

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DOUGLAS SULLIVAN, OF MOUNT AYR, IOWA.

DISPLAY-RACK.

SPECIFICATION forming part of Letters Patent No. 734,995, dated July 28, 1903.

Application filed February 26, 1903. Serial No. 145,219. (No model.)

To all whom it may concern:

Be it known that I, DOUGLAS SULLIVAN, a citizen of the United States, residing at Mount Ayr, in the county of Ringgold and State of Iowa, have invented certain new and useful Improvements in Display-Racks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to display-racks, which while useful for a great variety of purposes will be found to be especially desirable as a rack upon which parts of harness and particularly horse-collars may be exhibited, as in a store-room, whereby a large quantity of such goods may be thus kept in position ready for immediate display to the customer; and my invention consists of certain novel features of combination and construction of parts, as will be hereinafter clearly set forth, and pointed out in the claim.

The prime object of my invention, among others, is to provide a display-rack of the character specified which will have a capacity for the exhibition of a large quantity of horse-collars and other parts of harness and which will occupy a minimum amount of space in the store-room.

A further object of my invention is to so form my improved display-rack that the various parts thereof may be quickly separated and packed for shipment or storage, so as to occupy the smallest possible amount of space.

Other objects and advantages will be hereinafter made clearly apparent, reference being had to the accompanying drawings, which are made a part of this application, and in which—

Figure 1 shows, in side elevation and partly in section, my improved rack complete ready for use. Fig. 2 is a detail view showing a pair of collar-supporting arms separated from the other parts. Fig. 3 is a detail view of one pair of arms and a contiguous part of the supporting-post. Fig. 4 is a similar view to that illustrated in Fig. 2, showing the arms in a partially-folded position.

For convenience in readily referring to the various details of my invention and cooperating accessories numerals will be employed,

the same numeral applying to a similar part throughout the several views.

Referring to the numerals on the drawings, 1 and 2 indicate, respectively, the lower and upper portions of the body-section of my improved display-rack, said parts being preferably hinged together at their meeting ends, as indicated by the numeral 3, a keeper or latch 4 being placed upon the side opposite the hinge 3, as clearly shown in Fig. 1.

I prefer in some instances, as where the members or sections 1 and 2 are to be permanently united, to provide the locking-pin 5, which occupies a recess in the meeting ends of said members, whereby they will be more securely united.

The members 1 and 2 are provided at intervals throughout their length with apertures 6 and 7, adapted to receive the collar-racks or supporting-arms 8, which may comprise one continuous piece or two pieces of equal length joined together by means of the hinges 9 and preferably having the upwardly-directed terminals or fingers 10 at their extreme outer ends designed to prevent the collars or other goods displayed thereon from casually slipping off. I prefer to form the recesses 6 and 7 in the manner illustrated in Fig. 1, wherein it will be observed that the upper side of the recess is extended upwardly at its middle portion, whereby when the arms 8 are inserted in their operative positions the free outer ends thereof will be permitted to incline slightly downward, and thereby insure that said arms will be reliably held in their operative positions. In some instances, if desired, additional means comprising a small lug 11 may be provided for the upper side and inner end of each of the sections comprising the arms 8, as more clearly shown in Figs. 2 and 4, and it will therefore be seen that said lugs 11 will engage a contiguous part of the recess in which the arms are located, and thereby reliably prevent the casual displacement of said arms. The object in providing the arms 8 with a hinge 9, as illustrated, is to enable the parts of said arms to be folded upon each other for convenience of storage or shipment.

The lower end of the member 1 and the upper end of the member 2 are provided with

stub-shafts or gudgeons, as indicated by the dotted lines in Fig. 1, which are designated by the numeral 12, said gudgeons being designed to take into a centrally-disposed aperture provided in the anchoring-plates 13, one of which is designed to be secured to the ceiling, while the other is to be nailed or otherwise attached to the floor immediately below, whereby the members 1 and 2 when joined together may be freely rotated in either direction to bring any preferred goods carried by any one of the plurality of arms into view of the customer.

In Fig. 3 I have shown an arm 14, corresponding to the arm 8 in the other views, as being formed in one continuous piece and have also shown a portion of the tree-section or body proper, 15, provided with suitable recesses 16, designed to receive said arms and dispose them at right angles to each other, said arms being so fitted in said recesses as to permit their easy withdrawal when it is desired to pack or store the parts of the rack into convenient form. In some instances I prefer to lock the arms 14 in place by means of a pin 17, which is driven into a suitable hole in the body portion 15, which extends through the upper wall of the recess and into a contiguous part of the arm 14, as clearly shown in Fig. 3. When it is desired to remove the arm 14, the pin 17 may be readily removed and the arm withdrawn, when the pin may be again inserted in its aperture, so as to be in place when it is again desired to replace the arm in its operative position. While I have therefore illustrated and described the arms 8 as being joined together

at their inner ends by a hinge, it will be understood that they may be made in one piece, as shown in Fig. 3, and I therefore reserve the right to form them in either manner which I may find most desirable when manufacturing the invention and placing it upon the market.

While I have described the preferred combination and construction of parts deemed necessary in carrying out my invention, I wish to comprehend such substantial equivalents and substitutes as may be considered as falling fairly within the scope of my invention.

Believing that the advantages and manner of using my improved display-rack have thus been made clearly apparent, further reference to the details thereof is deemed unnecessary.

What I claim as new, and desire to secure by Letters Patent, is—

In a display-rack, the combination with the body portion having apertures extending substantially at right angles to each other, of a plurality of arms adapted to fit said recesses, said arms being in two sections and hinged together whereby said arms may be folded together and means carried at or near the inner ends of said arms, whereby said arms will be held against casual displacement, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

DOUGLAS SULLIVAN.

Witnesses:

JOHN I. TOUEY,
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