May 7, 1929. C. E. ANDERSON 1,712,192

DISPLAY RACK

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Fig. 1

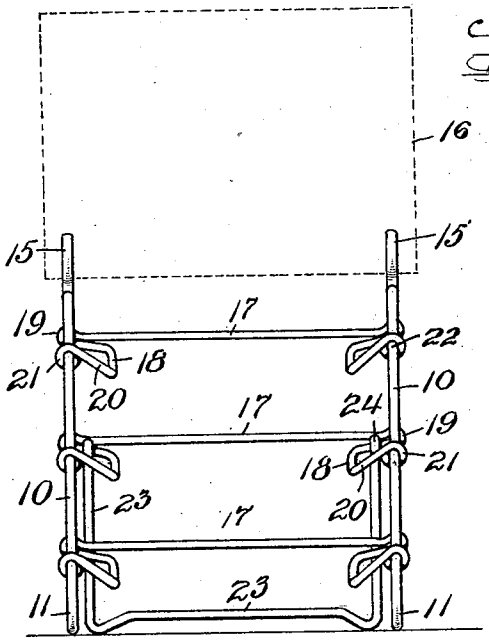


Fig. 2

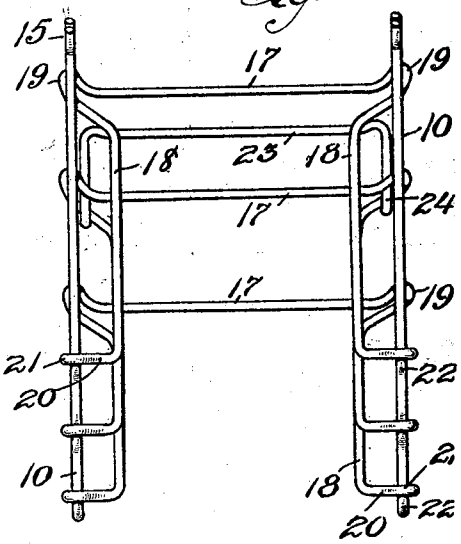


Fig. 3

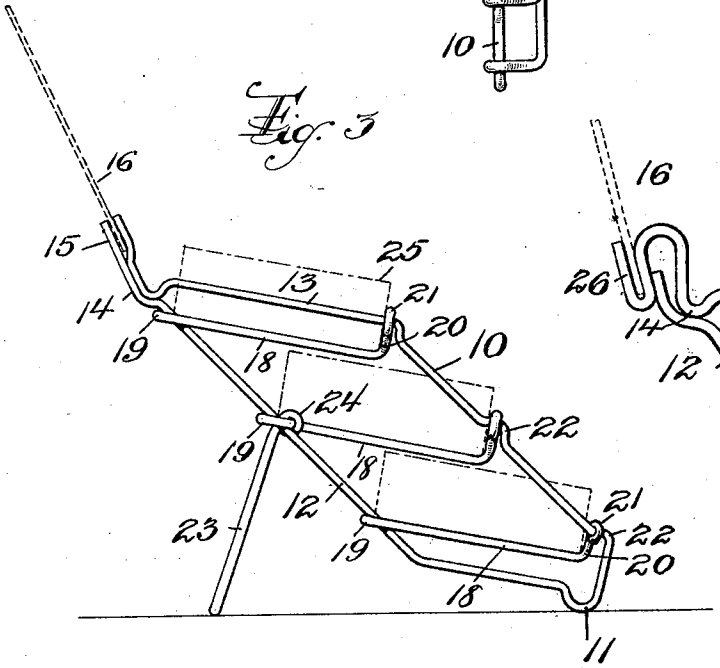


Fig. 4

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Fig. 6

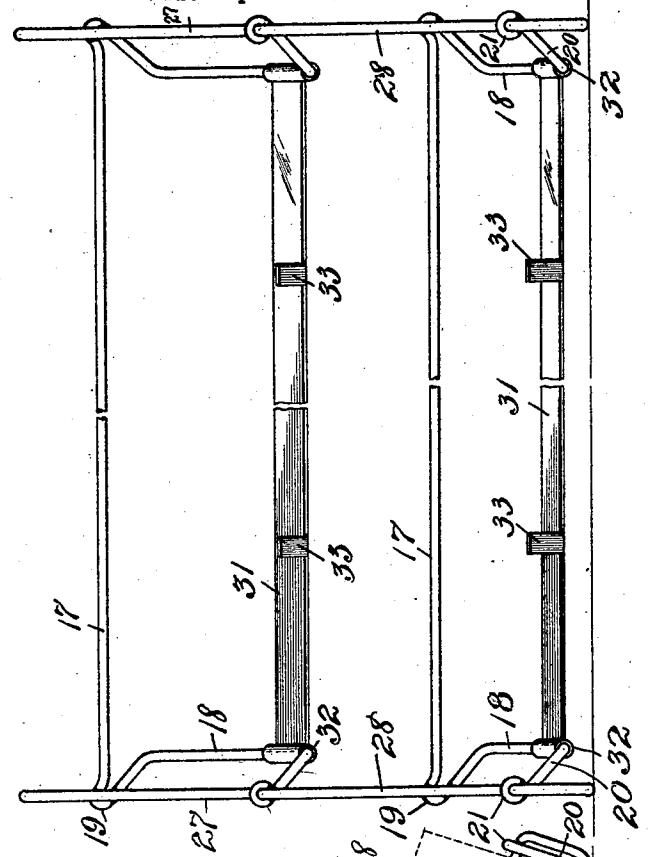
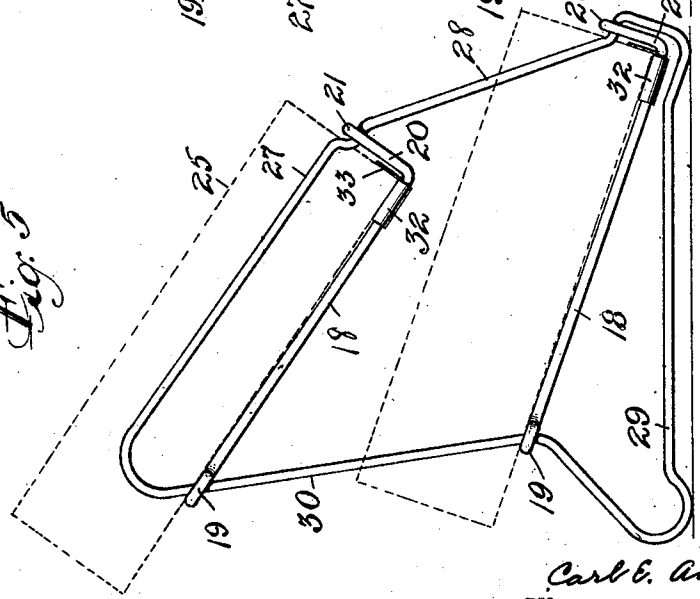


Fig. 5



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UNITED STATES PATENT OFFICE.

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DISPLAY RACK.

Application filed April 21, 1927. Serial No. 185,395.

This invention relates to an improved rack made of wire and constructed so that with a small length of wire side pieces and shelves can be formed and assembled so that the side pieces brace the shelf or shelves and the shelf braces and connects the side pieces so as to form a solid well braced stand.

The invention comprises a pair of side pieces made of wire and a U-shaped shelf or shelves which is connected at its ends to the forward part of the side pieces and said ends also provide stops for the corners of articles such as boxes since they are usually supported at an inclination to better display the goods. The shelf, at its corners, that is where the side arms and cross arm join is outwardly extended into return bends to support the shelf at the rear on the side pieces and to hold the side pieces in proper alignment.

The invention also resides in certain details of construction which will be hereinafter more fully described and finally embodied in the clauses of the claim.

The invention is illustrated in the accompanying drawings in which Figure 1 is a front view of a rack embodying my invention. Figure 2 is a top view of the same. Figure 3 is a side view of this rack and Figure 4 is a detail of the top part of a modified form.

Figures 5 and 6 are a side view and front view, respectively, of a modified form of rack.

I will first describe the construction shown in Figures 1, 2 and 3. The rack comprises side pieces and a shelf structure and they are made of wire usually one piece of wire to each element. The side pieces are formed with a front part that is generally inclined to better display the goods and I show such inclined strand at 10 which is supported at its front end by the foot 11 and the wire is then extended to form a rear strand 12. The front inclined strand 10 is extended as at 13 to be bent or welded to the strand 12 as at 14 and they can be slightly separated to form a card holder 15, the card 16 being shown in dotted outline. Supported on these side pieces and acting in turn to hold them in position is the shelf or shelves which are of general U-shaped form. I show three shelves in the drawing, the wire in each one comprising a back strand 17 and side strands 18 which are connected at the corners by projecting return bends 19 which return bends are clamped around the rear strands 12 of the side pieces. The forward ends of the shelf wires are extended upwardly and outwardly as at 20 and are secured to the front strands 10 of the side pieces, usually by a loop as at 21.

The return bends or open loops 19 are at an incline to the rear wires and thus are held against movement along the wires 12 and the front ends 20 are not movable on the wires 10 but I may place the humps 22 to insure the position of the shelves.

In this form of rack I use a foot or prop 23 which is usually U-shaped and has its ends 24 looped around one of the return bends 19 on each side so that the prop can be swung up against the rack when it is to be folded.

In this form of rack the boxes 25 or other articles displayed are supported on the arms 18 of the shelves and the ends 20 form stops for the fronts of the boxes and the side pieces prevent side movement thereof.

In Figure 4 I show a modified form of card holder in which the wire 13 is bent over to form a clip 26 to hold the bottom edge of the card.

In Figures 5 and 6 I show a slightly modified form for holding two boxes, one at a sharper angle than the other. In this form I show the side pieces formed of wire with the front strand at two different angles as at 27 and 28 and with a base or foot 29 and a rear strand 30.

The shelves are similar to those previously described and are similarly numbered and in the case of wide racks they act as supports for the strips 31. These strips of wire or sheet metal are looped around the arms 18 of the shelves as at 32. They are provided with stops 33 to hold centrally located boxes from sliding forward.

The particular shape and form of these racks can be raised somewhat without departing from the scope of the invention.

I claim:

1. A display rack comprising wire strands bent to form side pieces with rear strands and inclined front strands, and a U-shaped wire shelf made of a single piece of wire with its end bent upwardly and outwardly and attached to the front strands of the side pieces and with its corners projecting into return bends embracing the rear strands of the side pieces.

2. A display rack comprising wire strands bent to form side pieces with rear strands and inclined front strands, and a U-shaped wire shelf made of a single piece of wire with its

end bent upwardly and outwardly and attached to the front strands of the side pieces and with its corners projecting into return bends embracing the rear strands of the side pieces and a U-shaped brace of wire with its ends looped so as to be hinged on the rear part of the said shelf.

3. A display rack comprising wire strands bent to form side pieces with rear strands and inclined front strands, and a U-shaped wire shelf made of a single piece of wire with its end bent upwardly and outwardly and attached to the front strands of the side pieces and with its corners projecting into return bends embracing the rear strands of the side pieces and a U-shaped brace of wire with its ends looped so as to be hinged on the return bends of the said shelf.

In testimony whereof I affix my signature.

CARL E. ANDERSON.