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DISPLAY RACK CLIP

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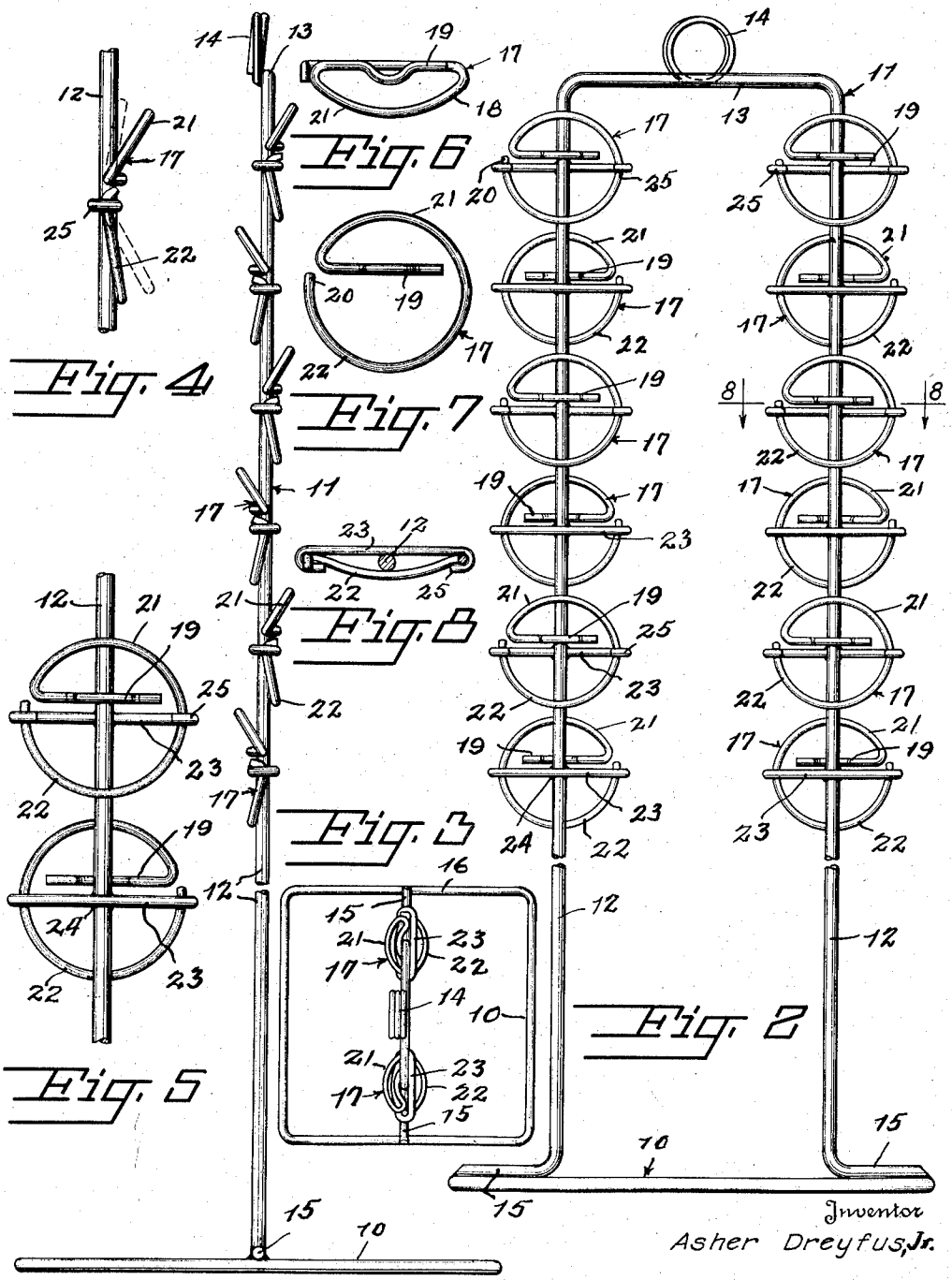


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

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DISPLAY RACK CLIP

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1 Claim. (Cl. 211—71)

This invention relates to a display rack and is more particularly directed to a novel construction of clip for releasably securing packaged goods on the stand.

An object of the invention is the provision of a clip so constructed that a series of clips may be mounted upon standards of the rack at various horizontal levels and at opposite sides of the standard, each clip having a gripping jaw and an integral, spring tensioned lever for maintaining the jaw in contacting relation with the standard thereby releasably supporting an article between the jaw and standard.

More specifically, it is an object of the invention to provide a clip for a display rack which is formed from two pieces of steel wire, one of which is bent into the form of a substantially circular loop to define a jaw cooperable with a standard of a rack for releasably gripping an article for display, said wire further being bent to provide a lever offset with respect to the jaw and supporting standard, the lever having a transversely disposed arm engaging the standard for maintaining the jaw in contacting engagement with the standard and the other of said wires providing the means for pivotally securing the loop to the standard.

Additional objects, advantages and features of invention will be apparent from the following description, considered in conjunction with the accompanying drawing, wherein,

Figure 1 is a side elevation of a display stand equipped with the article supporting clips.

Figure 2 is a front view in elevation of the stand shown in Figure 1.

Figure 3 is a top plan view of the stand on a reduced scale.

Figure 4 is an enlarged fragmentary side view of a portion of the stand showing a clip applied thereto.

Figure 5 is an enlarged fragmentary front elevation of a portion of stand and clips installed thereon.

Figure 6 is an edge view of the jaw and lever detached from the stand.

Figure 7 is a plan view thereof, and

Figure 8 is a cross section on the line 8—8 of Figure 2.

Referring more particularly to the drawing, 10 designates a base formed of wire and of rectangular shape. A U-shaped rack 11 also formed of wire is bent to provide parallel legs 12, the bight portion 13 constituting the top of the rack and may have a spring clip 14 for support of an advertising card. The lower free ends of the legs 12 are bent at right angles to provide feet 15 which are welded or otherwise secured to side bars 16 of the base 10.

Upon the legs 12, a plurality of clips 17 are secured at spaced horizontal levels, the clips being so engaged upon the legs to present an article gripping clip upon opposite sides thereof to more readily display packages engaged thereby.

Attention is now invited to Figures 6 and 7 of the drawing for an understanding of the construction of the clip

17, and while for the sake of illustration, the clip is shown and described as substantially circular in form, it will be obvious that the clip may be otherwise formed, the loop of the clip may be rectangular, square, elliptical or even triangularly shaped.

The clip 17 is formed from a single strand of suitable gauge steel wire, the major portion of which is bent to form an open substantially annular loop 18, one end of the strand being bent at right angles to the inner periphery of the loop to provide a transverse bar 19. The opposite end 20 of the loop terminates adjacent the transverse bar 19. There are thus provided upper and lower loop portions 21 and 22 and as clearly shown in Figures 1 and 4, these loop portions are given an angular bend in the same direction, the upper loop 21 having a slightly greater bend than the lower loop 22, for a purpose presently to be explained.

At suitably spaced points upon the legs 12 and at opposite sides of said legs, a pivot bar 23 is welded to the legs 12 as at 24. Each pivot bar 23 extends transversely across the lower loop portion 22 and the ends of the pivot bars 22 are bent in the form of a loop 25 so as to embrace respective sides of the lower loop 22, the transverse bar 19 of the loop 21 occupying a position above the pivot bar 23 and in contacting engagement with the leg 12 and by reason of the fact that the upper loop 21 has a greater bend than the lower loop, the loop portion 21 will be spaced outwardly from the leg 12 to which it is mounted, with the lower loop portion in spring tensioned contact engagement with the leg 12, as clearly shown in Figures 1 and 4.

With the clips 17 secured upon the legs 12 as described and it is desired to secure packaged goods to the clips, it is only necessary to press the loop portion 21 toward the leg 12 whereupon the lower loop 22 will swing upon the pivot bar 23 so as to move the loop 22 away from the leg 12 permitting a package to be inserted between the leg 12 and the loop 22. When the loop portion 22 was moved away from the leg 12, the pivot bar 23 was under spring tension so that when the upper loop 21 is released, the lower loop will move the package against the leg 12 and is thereby secured in suspended position upon the leg of the display rack. The packages may be readily released by moving the loop 21 toward the leg. The loop 21 may thus be readily considered as an operating lever and the loop 22 as a gripping jaw.

While I have shown and described a preferred form of the device, this is by way of illustration only, and I consider as my own all such modifications in construction as fairly fall within the scope of the appended claim.

I claim:

A clip for a display rack having a base and upright leg members, said clip comprising a wire bent to form an angularly disposed upper loop and a similarly disposed lower loop having side portions, said upper loop being bent at a greater angle than said lower loop, a pivot bar secured to a leg member of the rack and extending transversely thereof, respective ends of the pivot bar being engaged with respective side portions of said lower loop, said upper loop having a transverse bar positioned upon the leg member above the pivot bar and at the side opposite the pivot bar and said upper and lower loops being disposed upon opposite sides of the pivot bar.

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