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H. H. HARSTED

1,803,016

DISPLAY RACK

Filed Sept. 28, 1928

Fig. 1.

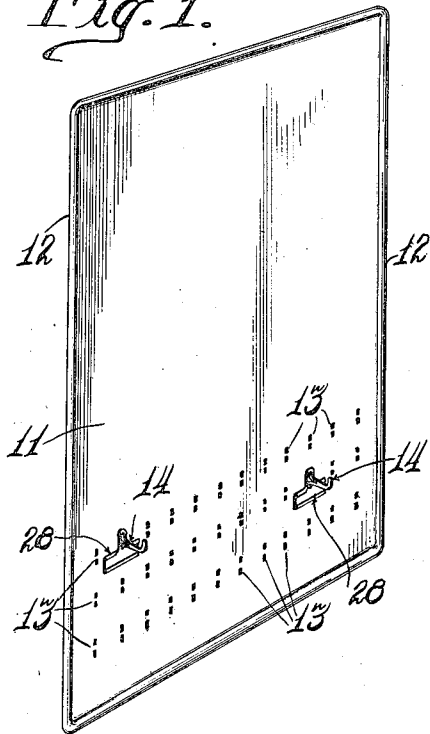


Fig. 2.

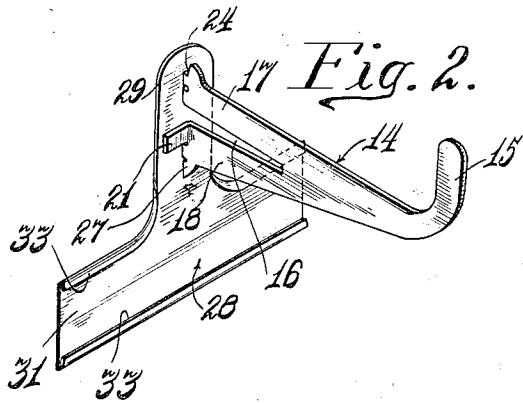


Fig. 3.

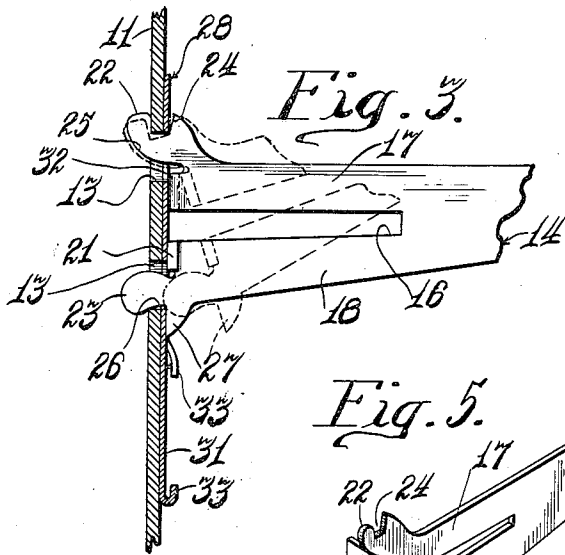


Fig. 4.

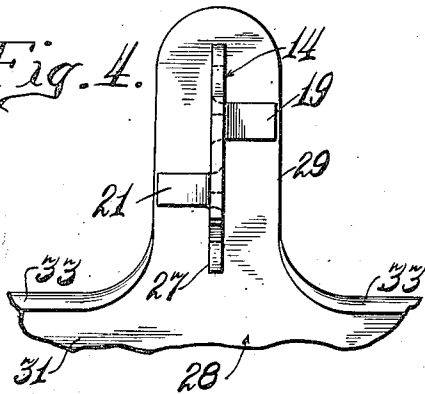
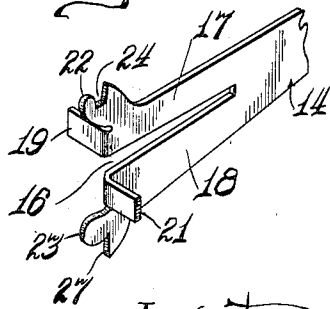


Fig. 5.



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DISPLAY RACK

Application filed September 28, 1928. Serial No. 309,001.

My invention relates to improvements in racks or hangers and particularly to a novel display and service rack for gaskets or the like.

One of the principal objects of the invention is to provide a novel display and service rack for accommodating gaskets of various sizes, having novel detachable one-piece supporting hooks thereon capable of withstanding considerable weight.

Another object of the invention resides in the provision of a display rack which is inexpensive to manufacture and which is adapted to have means removably secured thereon by the hooks for receiving identification tags.

These and such other objects as may appear hereinafter as the description proceeds will be more readily understood from the following description, with reference to the accompanying drawings, in which:

Figure 1 is a perspective view of the improved display rack.

Figure 2 is a detail perspective view of one of the novel hooks having a name plate removably mounted thereon.

Figure 3 is a fragmental side elevational view of one of the novel hooks carrying a name plate, in position on the backing board.

Figure 4 is a front elevational view of the novel hook with the name plate mounted thereon, only a fragment of said plate being illustrated.

Figure 5 is a detail fragmental perspective view of the rear end of one of the hooks.

The present device is devised to provide a display and service rack for gaskets and the like, and is provided with mounting means, such as slots, whereby any desired number of hooks or supports may be attached thereto at a plurality of predetermined spacings. When various types of articles are displayed on the rack, identification cards are preferably arranged adjacent the hooks by means of name plates.

Referring to the drawings in detail, the improved display and service rack consists of a backing board or plate 11, preferably made of sheet metal formed substantially rectangular

and provided with rolled edges 12 to give it sufficient stiffness.

Apertures 13 are provided near the lower end of the backing plate 11, to which hooks may be detachably mounted. These apertures are preferably in the form of slots arranged in pairs, preferably spaced equidistant apart in horizontal rows, as shown. For the purpose of illustration only, three rows of companion apertures are shown but it is to be understood that the backing board 11 may contain as many as desired. The hooks 14 carried by this display board are of a novel design, each consisting of an elongated piece of sheet material fashioned with an upwardly extending portion 15 at its forward end.

The body of the hook is preferably wider at its rear end than at the forward end, said rear end being bifurcated by providing a longitudinal slit or slot 16, thereby forming diverging legs 17 and 18. These legs 17 and 18 are each provided with an integral foot portion 19 and 21 respectively, bent in opposite directions to form right angles with the legs. As shown, the foot portions 19 and 21 are located adjacent the central slot 16. Lugs 22 and 23 are also provided on the ends of the legs 17 and 18 respectively, the lug 22 being located above the foot portions 19, while the companion lug 23 is positioned below the foot 21. These lugs extend rearwardly a suitable distance beyond the rearmost face of the foot portions 19 and 21, and are spaced apart a distance slightly greater than the distance between the companion apertures 13. The lug 22 also extends a short distance above the leg portion 17 and is provided on its upper edge with a notch 24. The lower edge 25 of this lug is preferably rounded to facilitate its insertion into one of the apertures 13. The lug 23 is formed substantially circular and has a shallow recess 26 on the lower side thereof for engaging the edge of one of the companion apertures 13.

These hooks can be removably mounted on the backing board 11, as aforementioned, for inserting the lugs 22 and 23 into the companion apertures 13. As shown in dotted lines in Fig. 3, the upper lug 22 is first in-

serted in the upper slot and the hook is then moved upwardly until the upper edge of the said slot engages in the notch 24. The hook is then swung downwardly until the companion lug 23 abuts the lower edge of the bottom slot and by applying slight pressure to the hook, the rounded lower edge of the lug 23 will, due to its engagement with the edge of the slot, cause the legs 17 and 18 to be contracted slightly, thereby enabling the lug 23 to enter into said slot. Upon entering the aperture, the legs 17 and 18 return to their normal position with the lugs 22 and 23 securely engaging the upper and lower edges of the top and bottom apertures respectively. The shallow recess 26 on the lower side of the lug 23 prevents the hook from being accidentally disengaged from the apertures, while the foot portions 19 and 21 maintain the hook 14 against longitudinal displacement relative to the backing board 11. Further stiffness is added to the mounting by providing a downwardly extending ear 27 located below the lug 23 to provide a shoulder which is adapted to bear against the front face of the board 11, or onto an identification plate 28 mounted between it and the board.

The identification plates 28 have means formed thereon for receiving identification cards, which consists of an upwardly extending central portion 29 and a horizontal portion 31. A plurality of vertical slots 32 are provided in the upstanding portion 29 of the plate arranged to align with the companion slots 13 in the board 11 to provide for the placing of said plate over the lugs 22 and 23 before the latter are inserted in the apertures in the board 11. The top and bottom edges of the horizontal portion 31 of the identification plate are folded inwardly toward each other forming slides 33 to engage an identification card (not shown) upon which the name or number of the article to be hung on the hook may be printed.

Thus it will be seen that to arrange the hooks relative to each other, or to remove same, it is only necessary to tilt them upwardly to force the retaining lug 23 out of the lower aperture 13 and then withdraw the upper lug from the upper aperture. The identification plates, being detachably mounted, may also be changed about or removed.

Although the preferred form of the device has been shown and described in detail, it is to be understood that the invention is capable of embodying certain variations and modifications without departing from the spirit of the invention, nor the scope of the appended claims.

I claim:

1. In a display rack, the combination of a backing plate having companion apertures and a hook having a slot in one end thereof forming a pair of legs, an oppositely dis-

posed foot on each leg extending angularly therefrom, a lug on the foot end of each of said legs, one of said lugs having a notch therein, the other having a shallow recess to yieldingly engage the companion apertures in said plate for retaining the hook thereon in a fixed position.

2. In a display rack, a backing board having a pair of openings therein, a hook having a bifurcation in the rear end thereof providing yieldable legs thereon, said legs having lugs at the ends thereof, one of said legs having a notch therein inwardly of the lug thereon, the other of said legs having a portion thereon providing a shoulder inwardly of the lug thereon, said lugs being respectively insertable through said openings whereby the portion of said board adjacent one of said openings will be disposed in said notch while said shoulder will be engaged with the face of said board from which said hook extends.

3. In a display rack, a backing board having a pair of openings therein, a hook having a bifurcation in the rear end thereof providing yieldable legs thereon, said legs having lugs at the ends thereof, one of said legs having a notch therein inwardly of the lug thereon, the other of said legs having a portion thereon providing a shoulder inwardly of the lug thereon, said lugs being respectively insertable through said openings whereby the portion of said board adjacent one of said openings will be disposed in said notch while said shoulder will be engaged with the face of said board from which said hook extends, and foot portions at the ends of said legs adjacent said bifurcations, said foot portions extending right angles to said legs and opposite directions therefrom and engaging said board to prevent sidewise movement of said hook.

4. In a display rack, a backing board having a pair of openings therein, a hook having a bifurcation in the rear end thereof providing yieldable legs thereon, said legs having lugs at the ends thereof, one of said legs having a notch therein inwardly of the lug thereon, the other of said legs having a portion thereon providing a shoulder inwardly of the lug thereon, said lugs having rounded portions thereon to facilitate passage thereof through said openings, said lugs being insertable through said openings whereby the portion of said board adjacent one of said openings will be disposed in said notch while said shoulder will be engaged with the face of said board from which said hook extends.

5. In a display rack which has a backing board having a pair of openings therein and a flat plate disposed on one face of said board having openings therein alined with the openings in said board, the combination of a hook embodying legs having lugs at the ends thereof insertable through said openings, said legs

having means thereon for engaging said plate to hold said plate in engagement with said face of said board when said lugs are inserted through said openings.

5 6. In a display rack which has a backing board having a pair of openings therein and a flat plate disposed on one face of said board having openings therein alined with the openings in said board, the combination of a hook
10 embodying yieldable legs having lugs at the ends thereof, one of said legs having a notch therein inwardly of the lug thereon, the other of said legs having a portion thereof providing a shoulder inwardly of the lug there-
15 on, said lugs being respectively insertable through said alined openings whereby the portion of said board adjacent one of said openings and the portion of said plate adjacent one of the openings therein will be dis-
20 posed in said notch while said shoulder will be engaged with the face of said plate adjacent the other of said holes whereby said hook and said plate will be connected to said board.

25 In testimony whereof I affix my signature at 5750 W. Roosevelt Road, Chicago, Illinois.

HARRY H. HARSTED.

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