Jan. 6, 1948. J. BERNSTEIN 2,434,140

HOSE RACK

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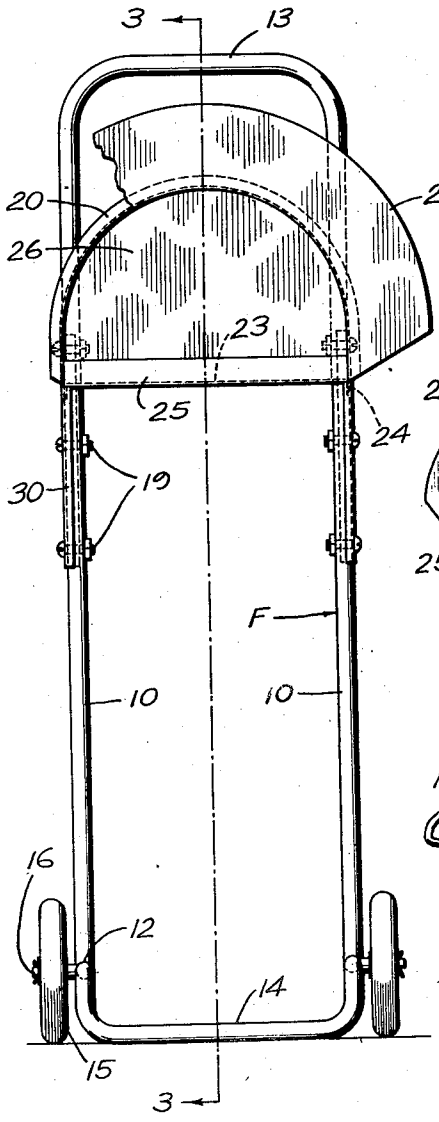


Fig. 2

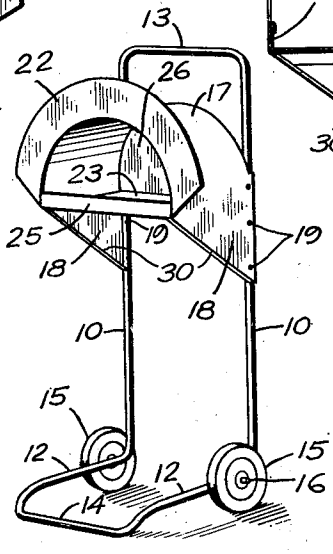


Fig. 1

Fig. 3

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HOSE RACK

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2 Claims. (Cl. 248—89)

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My present invention relates to a hose rack which may be inexpensively fabricated from stock material and which is particularly designed for a garden hose.

One object of the invention is to provide a hose rack including a drum formed of a semi-circle of sheet metal having a flange at one edge and its other edge secured to an upright having a forwardly extending portion to form a base which is overhung by the drum.

Another object is to provide a drum over which a coil of hose may be hung and a wheeled support for the drum, for convenience in transporting the rack from one place to another.

Still another object is to provide a cross member between the sides of the drum to reinforce it and, which at the same time, serves as a storage shelf for nozzles, sprinklers and the like.

With these and other objects in view, my invention consists in the construction, arrangement and combination of the various parts of my device whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claims and illustrated in the accompanying drawings, wherein:

Figure 1 is a perspective view of a hose rack embodying my invention.

Figure 2 is a front elevation thereof with a portion of a flange broken away to illustrate the construction, and

Figure 3 is a vertical sectional view on the line 3—3 of Figure 2.

On the accompanying drawings I have used the reference character F to indicate generally a frame and D a drum. The frame F is formed of tubular metal having a welded joint at any desired point and it is bent to form a pair of uprights 10, a pair of base elements 12 and a pair of cross elements 13 and 14. The cross element 13 serves as a handle, whereas the cross element 14 serves as a support in conjunction with a pair of wheels 15. Each wheel 15 is journaled on a stub axle 16 which may be welded to the base element 12 in the position illustrated and preferably adjacent the upright 10.

The drum D consists of a length of sheet metal of suitable gauge bent into a semi-circular portion 17 and a pair of vertical flanges 18. The vertical flanges 18 are attached to the frame F as by bolts 19 with the drum D over-hanging the base element 12.

The front edge of the semi-circular portion 17 has an outwardly directed flange 20 thereon to which a somewhat larger flange 22 is secured as by spot-welding or the like. Protecting the

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drum D against distortion, a cross sheet 23 is provided having flanges 24 spot-welded or otherwise secured to the flanges 18. The sheet 23 serves as a storage shelf and preferably has a front flange 25 and rear wall 26 to prevent loss of stored articles such as nozzles, sprinkler heads or the like. The element 26 serves as a back wall for the drum D and has a semi-circular flange 28 fitting the semi-circular portion of the drum and spot-welded thereto.

Practical operation

In the operation of my hose rack it is merely necessary to coil the hose and then hang it on the drum D or coil it directly on the drum. The hose can then be readily transported from one place to another by grasping the handle 13 and tilting the hose rack rearwardly so as to roll it on the wheels 15. The back wall 26 prevents articles from falling off the shelf 23.

From the foregoing specification it will be obvious that I have provided a hose rack which can be quickly assembled and the parts of which can be easily cut and formed with a minimum of effort. Relatively light sheet metal can be used yet a rigid structure results due to the use of the elements 23 to 26 as a reinforcing means and the flanges 18 may also be further reinforced by flanges 30 and 32. The rack is inexpensive to manufacture, can sell at a low enough price to justify its purchase and is found to be a great convenience in the storage of a garden hose and the handling of the hose when transporting it from one place to another. Furthermore the hose is protected by keeping it on the rack instead of lying on the floor or hanging over a nail or the like, where it can be damaged or detrimentally kinked. The rack therefore serves as a means to lengthen the life of any hose and is a good investment from that standpoint.

Some changes may be made in the construction and arrangement of the parts of my device without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claims any modified forms of structure or use of mechanical equivalents which may be reasonably included within their scope without sacrificing any of the advantages thereof.

I claim as my invention:

1. A hose rack for use with a portable hand truck, including a pair of uprights terminating in a handle at the upper end thereof, said hose rack comprising a drum formed from a substantially flat sheet of material bent to form a semi-

circle, a pair of vertical flanges formed on rearward edges of said drum, means for securing said flanges to said uprights, a member extending between said flanges and having a horizontal and a vertically extending wall to form a combination storage shelf and back for said drum, and an upwardly extending flange on the forward edge of said drum.

2. A hose rack for use with a portable hand truck, including a pair of uprights terminating in a handle at the upper end thereof, said hose rack comprising a drum formed from a substantially flat sheet of material bent to form a semicircle, a pair of vertical flanges formed on rearward edges of said drum, and an upwardly extending flange formed on the forward edge of said drum.

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