Sept. 7, 1937. F. J. BERGHOFF 2,092,691

DISPLAY STAND

Filed March 26, 1936

Fig. 1

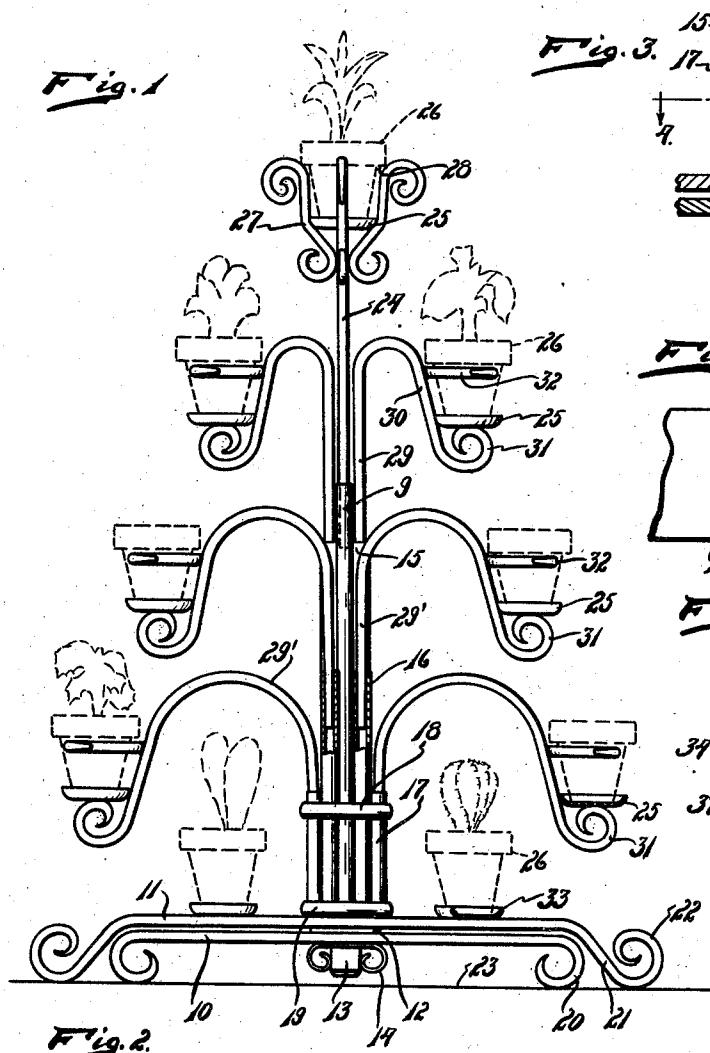


Fig. 3.

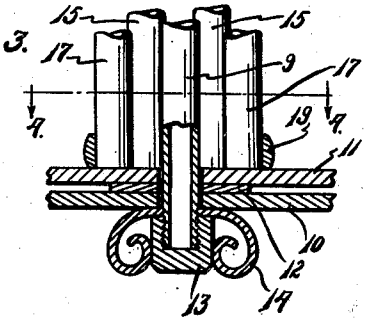


Fig. 4.

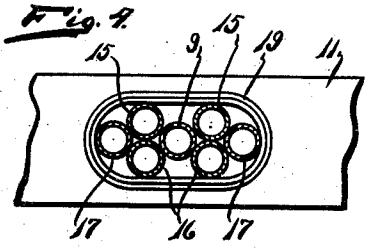


Fig. 5.

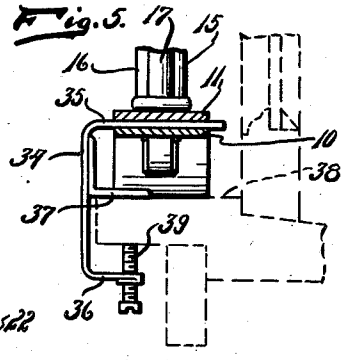


Fig. 2.

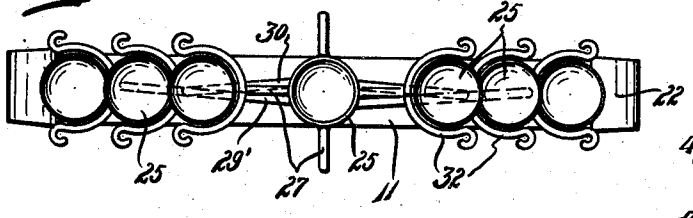
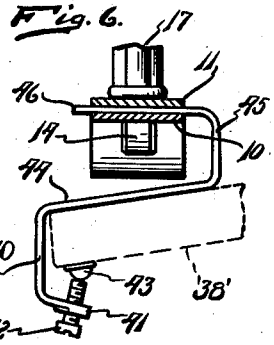


Fig. 6.



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DISPLAY STAND

Frank J. Berghoff, Detroit, Mich.

Application March 26, 1936, Serial No. 70,956

4 Claims. (Cl. 211—74)

My invention relates to a new and useful improvement in a display stand adapted especially for displaying flower pots or similar articles.

It is an object of the present invention to provide a display stand of this class which will be simple in structure, economical of manufacture, durable and highly efficient in use.

Another object of the invention is the provision of a device of this class which will be compact and light and easily and quickly assembled and disassembled.

Another object of the invention is the provision of a device of this class which will lend itself well to the addition of additional supporting arms.

Another object of the invention is the provision of a device of this class in which a supporting device for flower pots and the like may be provided together with means for preventing the tilting of the same.

Other objects will appear hereinafter.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

The invention will be best understood by a reference to the accompanying drawing which forms a part of this specification, and in which,

Fig. 1 is a side elevational view of the invention with parts broken away and parts shown in section.

Fig. 2 is a top plan view of the invention.

Fig. 3 is a fragmentary, sectional view of the invention with parts broken away and parts shown in section and other parts in side elevation.

Fig. 4 is a sectional view taken on line 4—4 of Fig. 3.

Fig. 5 is a transverse, sectional view through the device showing it clamped on a window sill.

Fig. 6 is a view similar to Fig. 5 showing a slightly modified form of clamp.

The device comprises a central tube 9 nested about which are tubes 15 of shorter length than the tube 9 and the tubes 16 which are shorter than the tubes 15 are also nested around the central tube 9. Tubes 17 which are shorter than the tubes 16 are likewise nested around the central tube 9. Bands or collars 18 and 19 are clamped around the tubes 17, 16, 15 and 9, adjacent the base. The central tube 9 projects beyond the lower ends of the other tubes and projects through an opening formed in the plates 10 and 11 which are spaced apart by the spacing washers 12 through which the tube 9 also projects. A nut 13 is threaded on the end of the tube 9 which projects below the plates 10 and 11 and this nut carries the scroll forming bar 14. These plates 10 and 11 may be termed base plates and the base plate 10 is inwardly turned at its ends to provide the ornamental scroll portion 20. The upper base plate 11 is bent downwardly as at 21 and this downwardly bent portion is curled upon itself to provide the ornamental scroll portions 22. These scroll portions 20 and 22 serve to engage the supporting surface 23 on which the device may be positioned.

Extending into the tube 9 by a press fit is the rod 24. The engagement of the rod with the tube 9 is such that the weight normally supported by the rod 24 would not move it relatively to the tube as the frictional engagement is a close one. Mounted on the upper end of the rod 24 is a concave pan or supporting plate 25 on which is adapted to rest a flower pot 26 or the like. When the device is used for displaying flowers in flower pots, the pan 25 would, of course, serve as a catch basin to catch water dripping from the pot 26. Secured to the pan or plate 25 as well as to the rod 24 are ornamental arms 27 formed in the shape of scroll work and adapted at their upper ends as at 28 for engaging the pot 26 and preventing tilting or tipping of the same. Engaging as a press fit in each of the tubes 15 is a rod 29 which has the downwardly turned portion 30 doubled upon itself and terminated in a scroll portion 31 on which is mounted the concave dish or supporting plate 25 for reception of the flower pot 26. A yoke 32 is mounted on the portion 30 and adapted to embrace the pot 26 and prevent its undue displacement from the supporting plate or dish 25. Similar rods 29' constructed in all respects as are the rods 29, engage as a press fit in the tube 16 and similar rods 29'' engage as a press fit in the tube 17. Supporting plates or dishes 33 are mounted on the base plate 11.

In use the device may rest upon the floor or in any suitable location and the various articles positioned as illustrated in Fig. 1. However, the device may also be placed in a window by resting the scroll portions 20 and 21 on a window sill. To this end I provide a clamping device comprising the U shaped bar 34, the upper leg 35 of which is longer than the lower leg 36. This upper leg projects through the space between the base plates 10 and 11 and is clamped therein. An L shaped abutment clip 37 is welded or otherwise suitably secured to the clip 34 and serves to engage the upper surface of the window sill 38. This window sill is clamped between the L shaped clip 37 and the screw 39 which is threaded through the leg 36.

In Fig. 6 I have illustrated a clamp which is adapted for an inclined window sill 38'. The clip in this instance comprises a strip of metal 40 having the lower end angularly turned to provide the nut 41 through which the screw 42 carrying the swivel engagement shoe 43 may project. The angularly turned portion 44 lies in engagement with the upper portion of the sill 38' and is turned upwardly as at 45 and outwardly to provide the portion 46 which projects between the base plates 10 and 11.

With a device constructed in this manner a very simple and durable display stand is provided and one which may be economically manufactured. Due to the nature of its construction, it is extremely light and compact and it is obvious that by increasing the number of tubes, the number of arms which may be used may be multiplied. In the drawing shown in Fig. 1 the supporting arms are illustrated as projecting outwardly in a single plane but by rotating these rods in the tubes in which they engage, they may be projected outwardly into various planes. I have thus provided a display device which lends itself admirably for use in windows and the like, thus eliminating the necessity of placing the flower pots on window sills and the like.

When it is desired to disassemble the device, the rod 24 and the rods 29 and 29' may be pulled out of the tubes in which they engage. The nested tubes may then be removed from the base by unthreading the nut 13 so that when it is desired to store the device away it may be easily and quickly disassembled and placed in compact form. This feature is quite desirable also in the matter of shipping the device as it may be shipped in "knocked down" position and easily and quickly assembled by the user.

While I have illustrated and described the preferred form of construction, I do not wish to limit myself to the precise details of structure shown, but desire to avail myself of such variations and modifications as may come within the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A display stand of the class described, comprising: a plurality of tubes nested about each other in axial contact, said tubes being of various lengths; means for binding said tubes in nesting relation, a threaded member secured to the lower ends of said tubes; a base, said threaded member projecting through an opening in said base; a nut threaded on said threaded member for securing said tubes on said base and projecting upwardly therefrom; and a plurality of supporting members, each being engageable in the upper end of a tube.

2. A display stand of the class described, comprising: a plurality of tubes nested about each other in axial contact, said tubes being of different lengths; means for binding said tubes in nesting relation, a threaded end on one of said tubes projecting beyond the lower ends of the other of said tubes, said other of said tubes terminating at their lower ends flush with each other; a base comprising a pair of plates, said threaded end projecting through said plates; a spacing member for spacing said plates apart; a nut threaded on said threaded end for securing said tubes on said base; an angularly turned portion on opposite ends of said base for engaging a supporting surface for mounting said nut in elevated relation thereto; a clamping member having a portion engaging between said plates; and means for securing said clamping member on a supporting body.

3. A display stand of the class described, comprising: a base; a plurality of tubes nested about each other and secured together in longitudinal contact with each other, said tubes being of different lengths, one of said tubes having a threaded end projecting beyond the ends of the other of said tubes, the other of said tubes terminating flush with each other at one end; a base, said threaded end projecting through an opening in said base; a nut threaded on said threaded end for securing said tubes on said base for projecting upwardly therefrom; a plurality of supporting arms, each engageable at one end in the open end of a tube; a supporting member carried on the opposite end of each of said arms; and an engagement member on each of said supporting arms for engaging an object supported thereby and preventing lateral movement of the same.

4. A display stand of the class described, comprising: a central elongated tube; a plurality of tubes of less length than said elongated tube and contacting the periphery thereof; means for binding said plurality of tubes in position around said central tube, said plurality of tubes terminating flush with each other at one end; a supporting base, means for securing said tubes on said base projecting vertically upwardly therefrom; a plurality of supporting arms, each of said supporting arms being projectible in a snug fit at one end into the upper end of a tube; and a supporting means carried on the opposite end of said arm.

FRANK J. BERGHOFF.