May 31, 1932. J. LA ROCK 1,860,390

ADJUSTABLE PLANT STAND

Filed March 14, 1930

Fig. 1

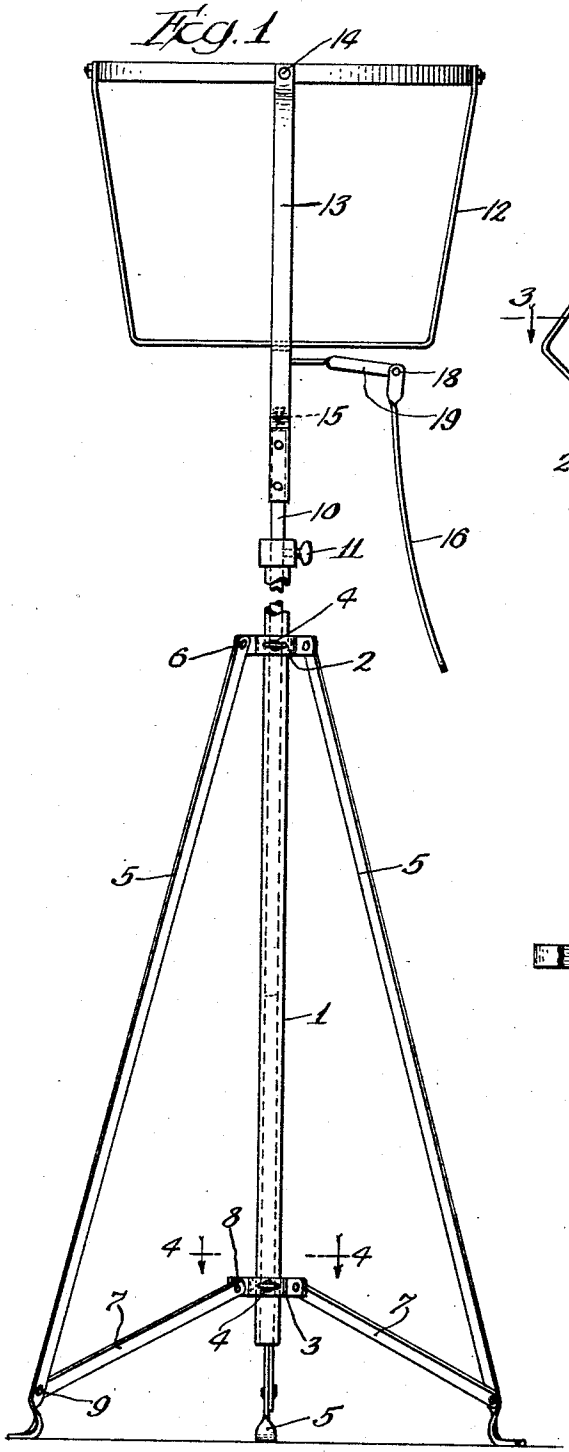


Fig. 2

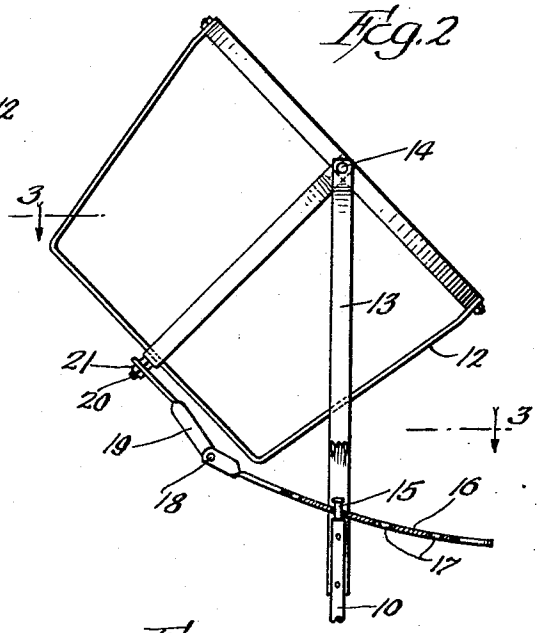


Fig. 3

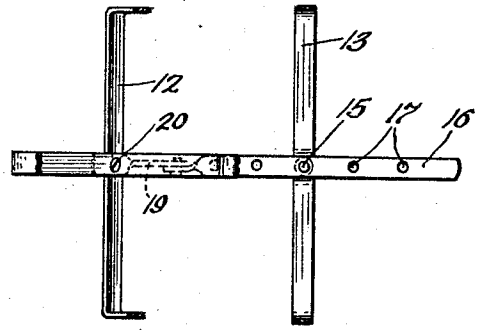
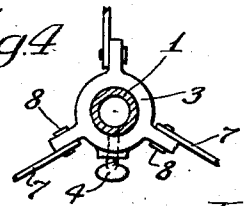


Fig. 4



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UNITED STATES PATENT OFFICE

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ADJUSTABLE PLANT STAND

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The present invention has for its object to produce a single and novel plant-supporting stand that may be collapsed when not in use or be adjusted to exhibit the plant in a variety of ways and to accommodate the stand to a variety of conditions that are commonly encountered.

The various features of novelty whereby my invention is characterized will hereinafter be pointed out with particularity in the claim; but, for a full understanding of my invention and of its objects and advantages, reference may be had to the following detailed description taken in connection with the accompanying drawings, wherein:—

Figure 1 is a side view of a stand constructed in accordance with the present invention, a part of the standard being broken away; Fig. 2 is a view partly in elevation and partly in section, of the upper end of the stand, showing the receptacle in a tilted position; Fig. 3 is a section on line 3—3 of Fig. 2; and Fig. 4 is a section on line 4—4 of Fig. 1, on a larger scale.

Referring to the drawings, 1 represents a tubular standard upon which are two collars 2 and 3, slidable lengthwise of the standard. Each collar may be secured in any adjusted position by means of a set screw 4. A plurality of legs 5, of which three are illustrated, are hinged at their upper ends to the upper collar; 6 indicating the hinge joints. Struts 7, equal in number to the legs, are hinged to the lower collar 3, the hinge joints being indicated at 8. The outer end of each strut is hinged to one of the legs, near the lower end of the latter, as indicated at 9.

When the set screws are loosened, the collars may be slid along the standard so as to bring the legs and the struts close to and in substantial parallelism with the standard If one of the set screws is tightened and the other loosened, the loose collar may be slid along the standard so as to increase or decrease the effective base area of the stand; thereby permitting the stability of the stand as a support to be controlled and also making it possible to decrease the base area of the stand in case the floor space on which the stand may rest is limited.

Telescoped within the upper end of the tubular standard is an extension 10 that may conveniently be in the form of a rod; this extension being adapted to be locked in place by means of a set screw 11. The extension is adapted to carry at its upper end a support for a plant, and therefore, by moving the extension up or down, the height at which the plant is located above the floor may be varied within a wide range.

In the arrangement shown, the support on the upper end of the extension is a receptacle in the form of a skeleton basket 12. This basket is positioned between the arms of a fork 13 fixed to the upper end of the rod or extension and is connected to the upper ends of these arms by hinge joints 14 located at the rim of the basket. Consequently the basket or receptacle has a swinging support, whereby it may be tilted in either direction with respect to a vertical plane containing the hinge axis, or may be allowed to stand vertical.

Suitable means are provided for holding the basket or receptacle in an inclined position, when desired. In the arrangement shown, there is on the upper end of the rod or extension an upwardly projecting headed pin 15. Hinged at one end to the bottom of the receptacle is a brace in the form of a long narrow metal strip 16 having therein a series of holes 17 distributed lengthwise thereof. These holes are large enough to permit the head of the pin 15 to pass through the same. Consequently whenever the basket or receptacle is to be held in a tilted position, it is swung through such an angle that one of the holes in the brace registers with the pin, and the brace is then dropped down so that the pin enters the hole. The connection between the brace and the basket may take any suitable form. In the arrangement shown, the brace is hinged at one end, as indicated at 18, to a short arm 19, fastened to the underside of the basket by slipping it over a downwardly projecting screw stud 20 and applying a nut 21. Upon loosening the nut slightly, the part 19, together with the brace, may be turned through an angle of 180°, if desired, so that the brace will serve to lock the

basket in a position oppositely inclined to that shown in Fig. 2.

While I have illustrated and described with particularity only a single preferred form of my invention, I do not desire to be limited to the exact structural details thus illustrated and described; but intend to cover all forms and arrangements which come within the definitions of my invention constituting the appended claim.

I claim:—

In a device of the character described, a standard, having a fork at the top, a basket positioned between the arms of the fork and hinged at its upper end to the upper ends of said arms for swinging movements about a horizontal axis, a headed pin on the standard in the vicinity of the base of the fork, and a brace connected at one end to the lower end of the basket and having therein a series of holes distributed lengthwise thereof for the reception of said pin.

In testimony whereof, I sign this specification.

JOHN LA ROCK.