

Sept. 15, 1931.

F. H. LESLIE

1,823,616

STAND

Filed March 2, 1931

Fig. 1.

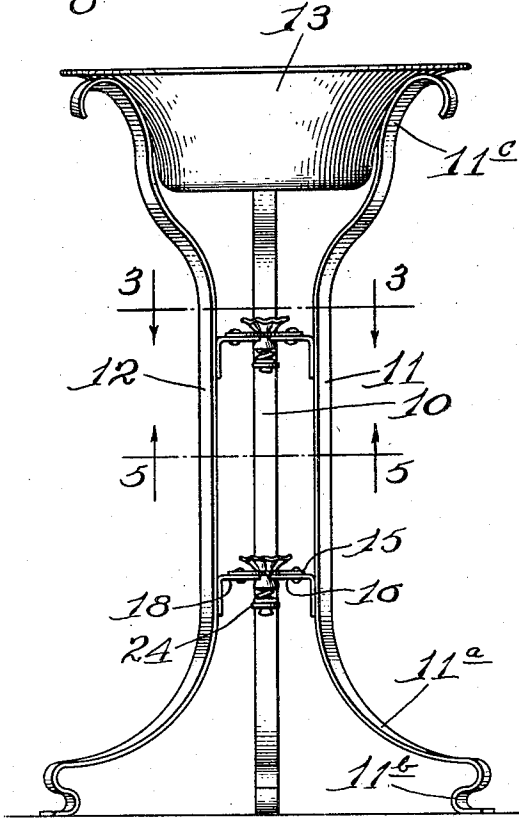


Fig. 2.

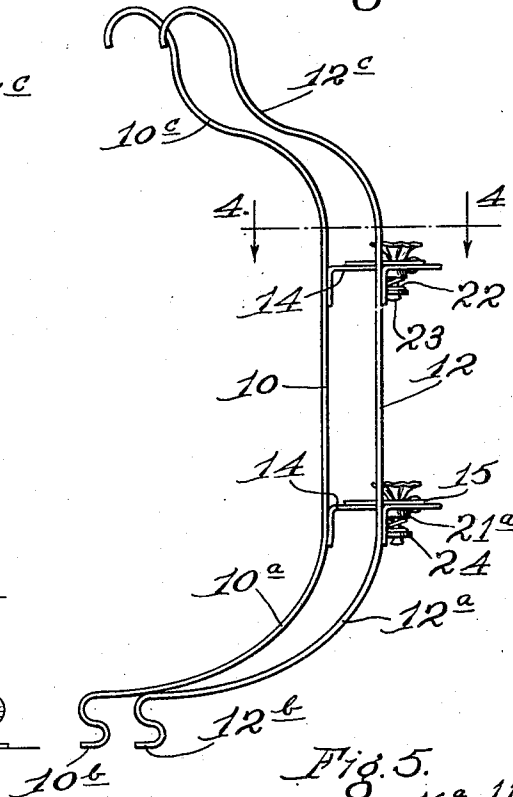


Fig. 3.

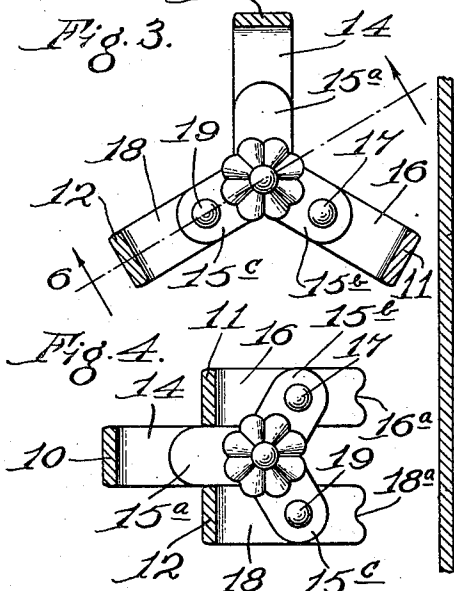


Fig. 4.

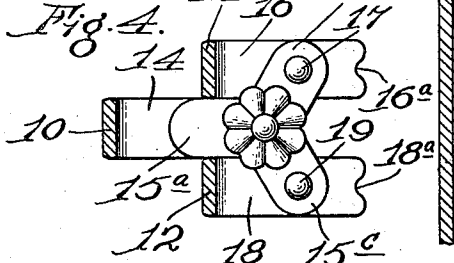


Fig. 6.

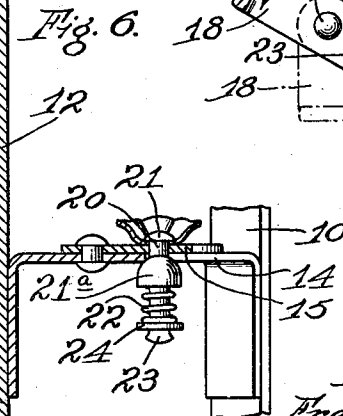
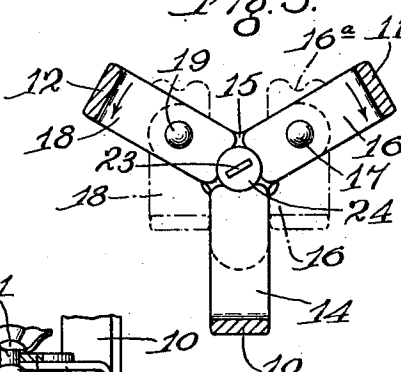


Fig. 5.



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## UNITED STATES PATENT OFFICE

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## STAND

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This invention relates to improvements in stands and, more especially, a folding stand, or a stand with supports that can be moved to open position to support the stand or to closed position in which the stand will be more compact and better suited for storage, packing, shipping and the like.

My improved stand may be utilized for practically any purpose; and it is to be understood that the particular embodiment shown herein is not to be construed as a limitation upon the spirit of my invention. Purely for the purpose of illustration, I have here shown the stand as adapted for supporting a bowl, dish, or the like, which may be used, for example, for containing ferns, plants, or other articles or material.

My improved stand can be easily and cheaply made and lends itself to an artistic and pleasing arrangement of parts. It is so constructed that it can be folded up into very compact form. When in this folded position, it is readily adapted for storage, transportation, handling, and the like. By a simple operation, it can be opened or unfolded and immediately adapted for use as a stand, as above referred to.

Other features and advantages of my invention will appear more fully as I proceed with my specification.

In that form of device embodying the features of my invention shown in the accompanying drawings—

Figure 1 is a view in front elevation showing the stand in open position; Fig. 2 is a view in side elevation showing the stand closed or in folded position; Fig. 3 is a view taken as indicated by the line 3 of Fig. 1; Fig. 4 is a view taken as indicated by the line 4 of Fig. 2; Fig. 5 is a view taken as indicated by the line 5 of Fig. 1; and Fig. 6 is a view taken as indicated by the line 6 of Fig. 3.

As shown in the drawings, the stand includes a stationary support 10 and two movable supports 11 and 12. Since the construction and operation of the two movable parts are similar, I shall describe in detail but one. The supports 10, 11 and 12 include pieces of strap iron with their lower ends curved outwardly, as indicated by 10<sup>a</sup>, 11<sup>a</sup> and 12<sup>a</sup>, re-

spectively, and provided with feet 10<sup>b</sup>, 11<sup>b</sup> and 12<sup>b</sup>, respectively. The upper ends of the strap irons are curved outwardly, as indicated by 10<sup>c</sup>, 11<sup>c</sup> and 12<sup>c</sup>, to support the desired object, for example, the dish 13, as shown. The support 10 is stationary and provided with two angle irons carrying horizontally projecting parts 14, 14, each carrying a horizontal plate 15 provided with three lobes or projections 15<sup>a</sup>, 15<sup>b</sup> and 15<sup>c</sup>. The projection 15<sup>a</sup> of the plate 15 is permanently fastened to the angle iron 14 in any suitable manner, for example, by welding. The support 11 is provided with an angle iron carrying a horizontally extending part 16 pivotally attached by the pivot 17 to the extension 15<sup>b</sup> of the plate 15. The support 12 is similarly provided with an angle iron carrying the horizontally extending part 18 pivotally attached by the pivot 19 to the extension 15<sup>c</sup> of the plate 15. It is to be understood that there are two plates 15, one above the other, and that each of the supports is provided with two parts, as above described, co-operating therewith. Since the construction and operation of such plates and the catch mechanism to be hereinafter described are similar, it is necessary to explain the details of only one.

The supports 11 and 12 are adapted to be swung on the pivots 17 and 19 from open position to closed position and vice versa. When in open position, they are as shown in Figs. 1 and 3 and as shown by the solid lines in Fig. 5. When in closed position, they are as shown in Figs. 2 and 4. That is, when in open position, the horizontally extending parts 14, 16 and 18 on the three supports 10, 11 and 12, respectively, are radially arranged with respect to the center of the plate 15. In this position, the supports 10, 11 and 12 are as widely separated as possible, thus furnishing a firm support for the stand. To close the stand, the horizontally extending parts 16 and 18 on the supports 11 and 12 are swung on the pivots 17 and 19 in the direction indicated by the arrows in Fig. 5 to the position shown by the broken lines in Fig. 5. When in this position, the parts 14, 16 and 18 will be substantially parallel and the supports

10, 11 and 12 will be relatively close together. The parts are shown in this position in Figs. 2 and 4 and it will be seen that when thus folded, the stand is in very compact form requiring very little space, thus particularly well adapting it for storage, handling and transportation.

Means are provided for yieldingly holding the supports in open or unfolded position. Such means includes a spring catch on each of the plates 15. As here shown, this spring catch includes a pin 20 extending through a hole in the plate 15 with the head 21 on top. The pin 20 extends downwardly through the hole and carries slidably mounted on it a rounded button 21<sup>a</sup> pressed upwardly by the spring 22. The lower end of the pin 20 is provided with a head 23 to hold the washer 24 that supports the spring 22. The inner ends of the parts 16 and 18 are extended inwardly some distance beyond the pivots 17 and 19 and provided with curved recesses 16<sup>a</sup> and 18<sup>a</sup> adapted to be yieldingly engaged by the button 21<sup>a</sup>. Accordingly, when the supports or legs are opened, the button 21<sup>a</sup> is pressed downwardly until the supports are in fully opened position when it snaps up into the recesses 16<sup>a</sup> and 18<sup>a</sup>, thus yieldingly holding the supports in open position.

While I have shown and described certain embodiments of my invention, it is to be understood that it is capable of many modifications. Changes, therefore, in the construction and arrangement may be made without departing from the spirit and scope of the invention as disclosed in the appended claims, in which it is my intention to claim all novelty inherent in my invention as broadly as permissible, in view of the prior art.

What I regard as new, and desire to secure by Letters Patent, is:

1. A stand including a stationary support carrying a horizontal plate, and a plurality of movable supports each having a horizontally extending part pivoted to said plate, said movable supports adapted to be swung on said pivots away from the stationary support to open position to support said stand, or toward said stationary support to closed position to lie substantially parallel with said stationary support, said plate being provided with mechanism for yieldingly holding the supports in open position, said mechanism including a spring-pressed member and the horizontally extending parts of the movable supports which are pivoted to the plate being pivoted at points inwardly from their extremities and provided beyond the pivot points with parts adapted to be engaged by co-operating parts on the spring-pressed member.

2. A stand including a stationary support carrying a horizontal plate, and a plurality of movable supports each having a horizontally extending part pivoted to said plate,

said movable supports adapted to be swung on said pivots away from the stationary support to open position to support said stand, or toward said stationary support to closed position to lie substantially parallel with said stationary support, said plate being provided with mechanism for yieldingly holding the supports in open position, said mechanism including a movable rounded button and a coiled spring mounted axially on a pin and fastened to the plate by means of said pin, the action of said spring being to press and move said rounded button towards the plate and the horizontally extending parts of the movable supports which are pivoted to the plate being provided at their extremities with recesses adapted to be yieldingly engaged by said button.

In witness whereof, I have hereunto set my hand, this 27th day of February, 1931.

FREELAND H. LESLIE.