S. KALISZ.

COLLAPSIBLE STAND AND SUPPORT.

APPLICATION FILED MAR. 6, 1917.

1,241,987.

Patented Oct. 2, 1917.

Fig. 2.

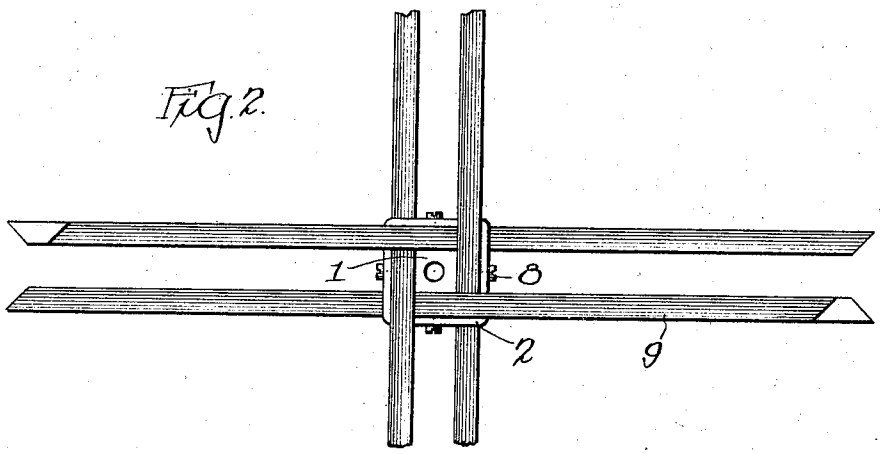


Fig. 1

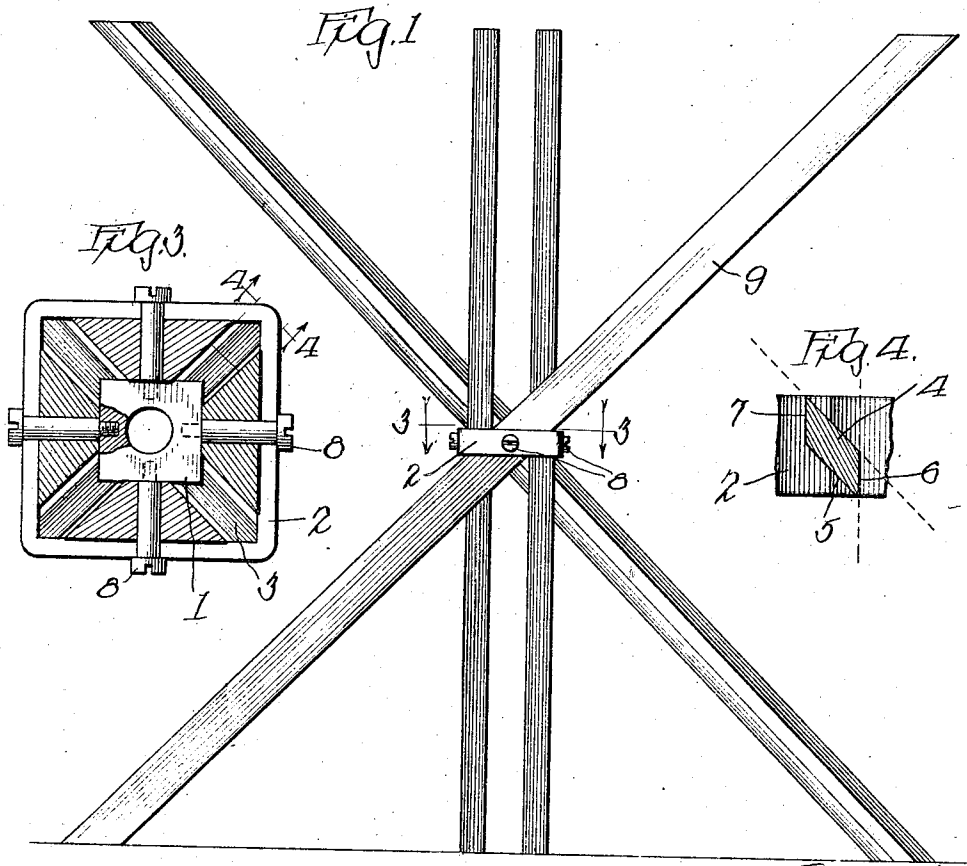


Fig. 3.

Fig. 4.

Witness:
Leo. J. Dumas.

Inventor:
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UNITED STATES PATENT OFFICE.

STEPHEN KALISZ, OF CHICAGO, ILLINOIS.

COLLAPSIBLE STAND AND SUPPORT.

1,241,987. Specification of Letters Patent. Patented Oct. 2, 1917.

Application filed March 6, 1917. Serial No. 152,760.

To all whom it may concern:

Be it known that I, STEPHEN KALISZ, subject of the Emperor of Austria, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Collapsible Stands and Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in collapsible stands or supports for wash-tubs, flower pots, or tubs, table tops, and the like, and has for its principal object to provide a simple, cheap and efficient device of this character which is easily and quickly opened up and collapsed, and is readily portable.

The invention consists in the features of construction and combinations of parts hereinafter fully described and claimed.

In the accompanying drawings illustrating a suitable embodiment of the invention:

Figure —1— is a view in side elevation of a collapsible stand constructed in accordance with my invention showing the same in its open position.

Fig. —2— is a top plan view of the same, partly broken away.

Fig. —3— is a plan section of the same on the line 3—3 of Fig. —1— showing the stand in its collapsed position.

Fig. —4— is a fragmentary detail section of the same on the line 4—4 of Fig. —3—.

My said stand comprises a collar consisting of an inner or hub member 1 which may be triangular, rectangular, or of any other desired polygonal form, depending upon the number of legs desired to be secured therein. Concentric therewith is a similar polygonal outer frame member 2 which is connected with the hub member 1 by means of spokes 3 extending radially relatively to the center of the hub member 1 from the corners of the latter into the corners of the member 2, said spokes being preferably cast integral with both said parts. Each of the spokes is provided with upper and lower beveled faces 4 and 5, and with vertical end faces 6 and 7.

Spanning each of the slots bordered by the parallel walls of the members 1 and 2, and opposed faces of contiguous spokes 3 are pivot pins 8 which are threaded at their inner ends in the hub member 1, but which preferably pass freely through openings in the outer member 2. Pivotally mounted between its ends on each of said pivot pins 8 is a bar 9 extending through each of the slots spanned by said pivot pins, and having its side edges beveled to correspond substantially to the angle of divergence between the spokes 3 and pivot pins 8. The said bars constitute the supporting legs for the collar, and also for the article adapted to be supported upon their upper ends when positioned as shown in Fig. —1—. They are turned to said positions from the vertical (and parallel with the axis of the collar) through an arc of forty-five degrees more or less, in the same direction, which is preferably clockwise. When positioned as shown in Fig. —1— the beveled side edges of the bars 9 rest upon the beveled faces 4 and 5 of spokes disposed respectively at opposite ends of the slot containing the leg. Thus a considerable surface is presented by each of the spokes to the engaging faces of the leg or bar to prevent indentation of the latter. When the bars are disposed in their upright positions, as when the stand is collapsed, the side edge of each leg or spoke 9 engaging the upper beveled face of one of the spokes 6 will contact with the lower edge portion thereof which will constitute a stop to limit the pivotal movement of the leg or bar 9 in the anti-clockwise direction thus eliminating the possibility of error on the part of the operator in turning the legs or bars when opening the stand for use. The upper and lower ends of the bars are preferably beveled as shown, so that all of them will lie in parallel horizontal planes at the upper and lower ends of the stand when the latter is open.

My said device is very simple, cheap and efficient, and is adapted for a multiplicity of purposes.

While I have shown the preferred embodiment of the invention in the accompanying drawings, it will be obvious, of course, that the same may be changed and varied in details without departing from the invention as defined in the appended claim.

I claim as my invention:

A collapsible stand comprising a collar consisting of a polygonal middle portion, a similar outer portion connected with the middle portion by means of integral radial

spokes extending from the outer corners of the middle portion to the inner corners of the outer portion and constituting the end walls of equal slots, a pivot pin spanning each slot between the ends thereof, legs pivotally mounted between their ends on said respective pins and adapted to be turned in the same direction through an arc of substantially forty-five degrees to engage said spokes, each of said spokes having beveled faces adapted to be engaged by the side edges of two adjacent legs when the latter are turned to one limit of their movement, and each of said spokes having an edge-portion positioned to engage an edge of a leg to prevent the same from being turned in the reverse of its intended direction from collapsed to open position of the stand.

In testimony whereof I have signed my name in presence of two subscribing witnesses.

STEPHEN KALISZ.

Witnesses:
ANDREW POST, Jr.,
H. A. HAINES.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."