

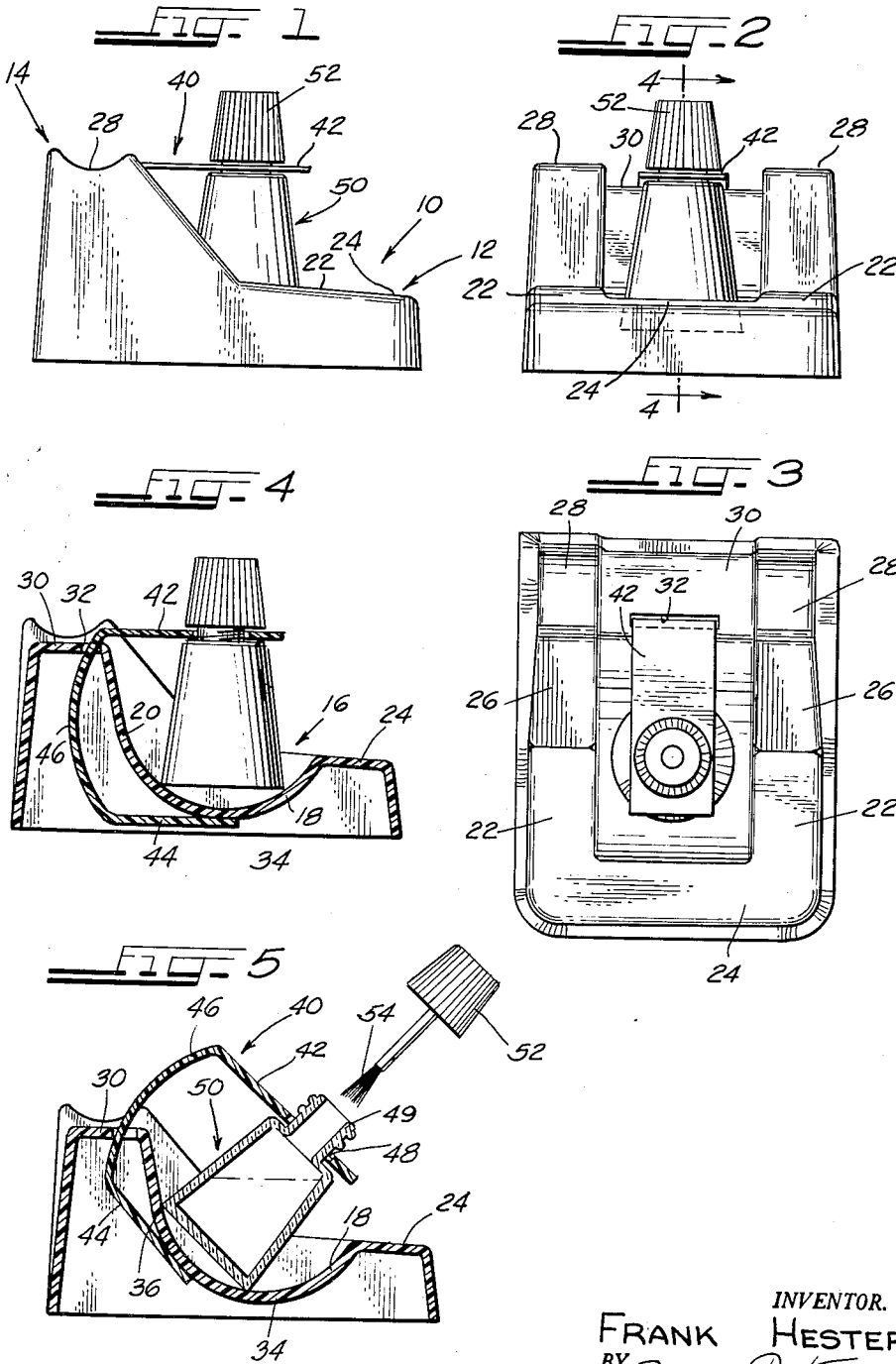
May 21, 1963

F. HESTER

3,090,590

STAND FOR SUPPORTING A CONTAINER IN ADJUSTED POSITIONS

Filed May 22, 1961



INVENTOR.  
FRANK HESTER  
BY *Max R. Kraus*

ATTY.

1

3,090,590

## STAND FOR SUPPORTING A CONTAINER IN ADJUSTED POSITIONS

Frank Hester, Morton Grove, Ill., assignor to Weather-Bloc Company, Inc., Chicago, Ill., a corporation of Illinois

Filed May 22, 1961, Ser. No. 111,853  
4 Claims. (Cl. 248—346)

This invention relates to a stand for supporting a container in adjusted positions.

One of the objects of this invention is to provide a stand which will support a bottle, container or the like in upright position and in various tilted positions and hold same in captive relation to the stand in any such adjusted position.

In the use of certain products, for example, nail polish, when one hand is used to apply the polish to the other hand, the bottle has to be tilted during use as the contents in the bottle is reduced. Also, there is danger of spilling the contents of the bottle when the cap with the brush applicator is removed. These problems are solved with the present invention wherein a stand is provided which supports the bottle in a captive relation to the stand and permits the bottle to be supported in an upright position and in various tilted positions so that the applicator may be used without danger of tipping the bottle and spilling the contents thereof; also, the bottle may be maintained in any desired angular tilted position to permit the applicator to reach the contents of the bottle even when there is very little left in the bottle.

Another object of this invention is to provide a stand of the foregoing character which is simple and inexpensive to produce.

Other objects will become apparent as this description progresses.

In the drawings:

FIGURE 1 is a side elevational view of this invention, shown with a conventional bottle of nail polish.

FIGURE 2 is a front view thereof.

FIGURE 3 is a top view thereof.

FIGURE 4 is a cross-sectional view taken on line 4—4 of FIGURE 2, and

FIGURE 5 is a view similar to FIGURE 4 but with the arm in a tilted position to show the bottle supported in a tilted position and with the bottle in section.

While the invention is herein illustrated in connection with a nail polish bottle, it is not intended to be restricted thereto, as it is applicable as well for supporting bottles and containers of any character, shape or description. The unit includes a base generally indicated at 10, which has a lower front portion 12 which merges into an elevated rear portion 14.

A concave, recessed or depressed portion 16 is provided in the base and the bottom wall 18 of same continues rearwardly and upwardly as at 20. The concave portion 16 is bounded by spaced sides 22 and a front 24. The sides 22 incline upwardly and rearwardly as at 26 and then extend horizontally rearward to provide spaced arcuate shaped upper top walls 28. The central horizontal portion 30 of the top wall has a transverse slot or opening 32 to accommodate an arm to be presently described.

The base is molded preferably of plastic and is hollow, as best shown in FIGURES 4 and 5. The underside or

2

outwardly exposed wall of the concave bottom wall 18 is indicated by the numeral 34 and is of arcuate shape and merges with the rearwardly inclined back wall. The outwardly exposed surface of the wall 20 is indicated by the numeral 36. The arcuate shaped wall 34 is adapted to be frictionally engaged by the movable arm to be described.

The movable arm 40 is generally U-shaped and has an outer section 42, an inner section 44 and an intermediate bowed section 46. The outer section 42 has an opening 48 into which the neck 49 of the bottle 50 extends. The bowed member 46 extends through the slot 32 and inside the interior of the base, with the inner section 44 adapted to frictionally engage the arcuate wall surface 34 of the recessed or concave portion.

The bottom of the bottle 50 rests within the concave portion 18 of the base, and as shown in FIGURE 4, the bottle is positioned in an upright position. To tilt the bottle, the bottle is grasped and moved to the desired tilted or angular position. The U-shaped arm 40 will move correspondingly and the inner section 44 of the arm which is in constant frictional engagement with the undersurface 34 of the arcuate wall will hold the arm and bottle in any adjusted tilted position when the bottle is released. FIGURE 5 shows the bottle positioned at an angle of 45°. Any desired angle may be selected.

The cap 52 of the bottle shown supports a brush applicator 54. With the cap removed the applicator is held in one hand for applying polish to the other hand. The bottle is held in a captive position and cannot spill. The bottle may be thus moved from an upright or vertical position to any desired angular position and maintained in any such angular position.

The arm 40 is likewise molded of plastic material and has a certain resiliency or "give" which adds to the efficiency of the operation. If desired, the undersurface 34 may be roughened, serrated, and the contacting surface of the lower section 44 of the arm may be correspondingly roughened for better frictional contact. When not in use the bottle is positioned as in FIGURE 4 with the cap closed.

The structure shown herein is very simple and inexpensive to manufacture and is positive in preventing the capsizing of the bottle and holding the bottle in captive position. The arm 40 may be removed from the base 10 for the replacement of the bottle as desired.

It will be understood that various changes and modifications may be made from the foregoing without departing from the spirit and scope of the appended claims.

What is claimed is:

1. A stand for supporting a container in adjusted position, comprising a base having a concave surface on which a container is supported, a movable member having an outer section engaging the neck of said container, said movable member having an inner surface engaging the undersurface of said concave surface of said base to permit said movable member to be manually moved to support said container in a plurality of tilted positions.

2. A stand for supporting a container in adjusted position, comprising a base having a recessed portion in which a container is positioned, a movable arm having one end engaging the neck of said container and the other end engaging said base under said recessed portion to hold the container captive to said base, said movable arm adapted

3

to be manually adjusted to support said container in a plurality of angular positions.

3. A stand for supporting a container in adjusted positions, comprising a base having a recessed portion on which a container is supported, a generally U-shaped member having one end thereof connected to said container and the other end positioned inside the base and in frictional engagement with the undersurface of said recessed portion of said base to hold the container captive to said base, said member adapted to be manually adjusted to support said container in an upright position or in a plurality of angular positions.

4. A stand for supporting a container in adjusted position, comprising a hollow base having a depressed portion in which a container is positioned, a generally U-shaped

4

arm having one end engaging the container and the other end extending into the hollow base and engaging the underside surface of the depressed portion to hold said container captive to said base and to permit adjustment of said arm relative to said base to support said container in a plurality of angular positions.

References Cited in the file of this patent

UNITED STATES PATENTS

10	2,596,009	Connor	-----	May 6, 1952
	2,689,909	Dazley	-----	Sept. 21, 1954
	2,748,952	Fleit	-----	June 5, 1956

FOREIGN PATENTS

15	302,494	Great Britain	-----	Dec. 20, 1928
----	---------	---------------	-------	---------------