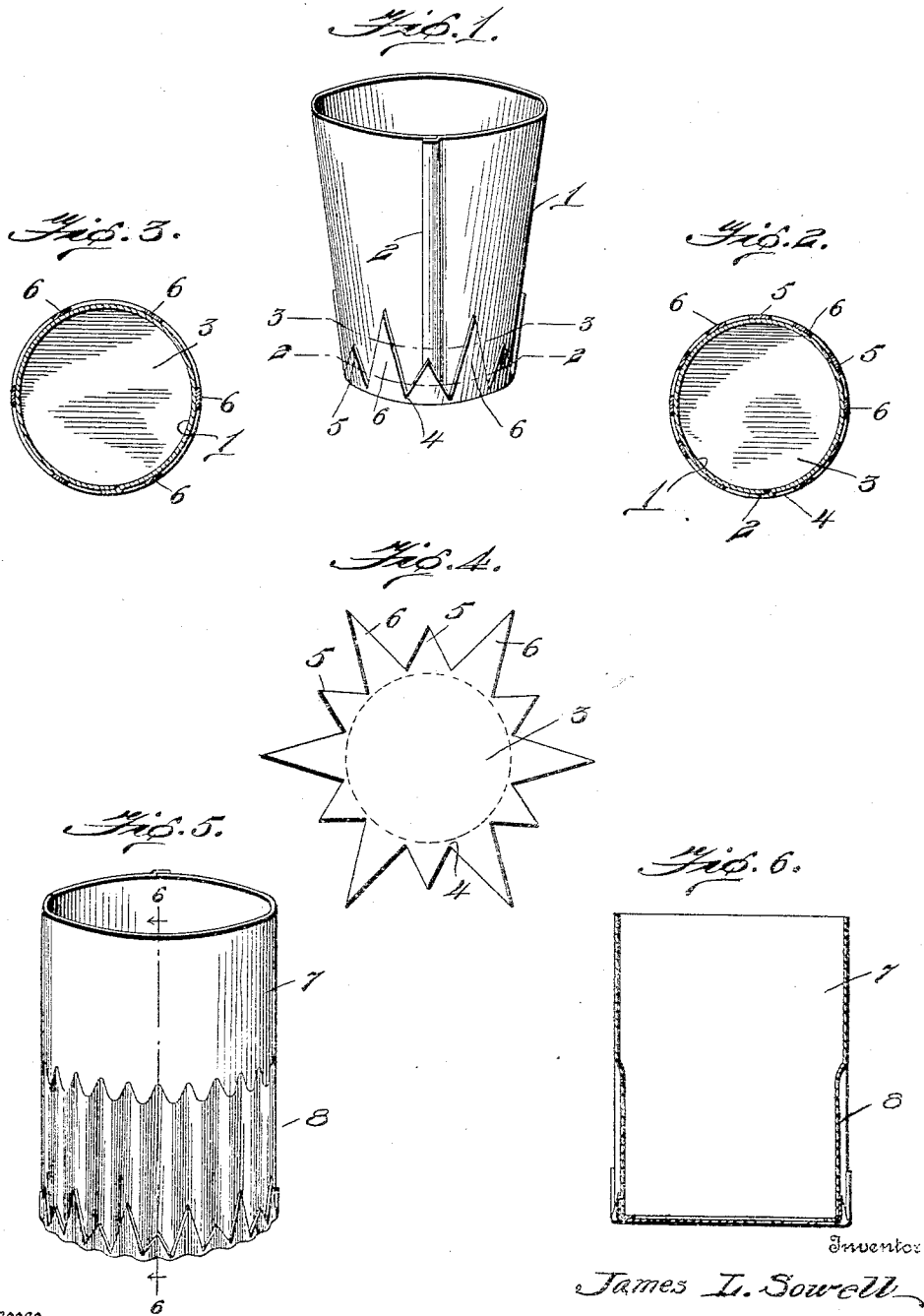


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 PROPHYLACTIC DRINKING VESSEL.
 APPLICATION FILED JULY 17, 1909.

957,267.

Patented May 10, 1910.



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JAMES L. SOWELL, OF JASPER, ALABAMA.

PROPHYLACTIC DRINKING VESSEL.

957,267.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES L. SOWELL, a citizen of the United States, residing at Jasper, in the county of Walker and State of Alabama, have invented certain new and useful Improvements in Prophylactic Drinking Vessels, of which the following is a specification.

My invention relates to improvements in prophylactic drinking vessels, or tumblers, and it consists in the constructions, combinations and arrangements herein described and claimed.

An object of my invention is to provide an improved prophylactic drinking vessel, which is intended to be discarded after use.

A further object of my invention is to provide an attractive prophylactic drinking vessel, especially adapted for use at soda fountains and other public dispensaries of beverages.

A further object of my invention is to provide an inexpensive and strong form of aseptic drinking vessel, which will combine a maximum of stiffness with a minimum of weight.

In the accompanying drawings, forming a part of this application and in which similar reference numerals indicate corresponding parts in the several views: Figure 1 is a perspective view, illustrating one embodiment of my invention; Fig. 2 is a section on the line 2—2 of Fig. 1; Fig. 3 is a section on the line 3—3 of Fig. 1; Fig. 4 is a blank for forming the bottom and stiffening reinforcements shown in the preceding figures; Fig. 5 is a perspective view, illustrating a modified construction, and Fig. 6 is a section on the line 6—6 of Fig. 5.

Referring especially to Figs. 1-4 of the drawings, 1 indicates the walls of a drinking vessel, or tumbler, which are formed of a band of paraffined paper, or other thin impervious material, having its ends connected by a preferably overlapped joint 2 to provide a smooth interior surface. A bottom 3, of similar material, is formed from a blank provided with a marginal portion 4, for overlapping the lower edge of the band 1 and provided with a plurality of pointed tabs 5 and 6 of different lengths extending alternately in a continuous series from said margin for attachment along the outer surface of said band. By thus arranging alternately about the bottom two sets of tabs 5

and 6 of different lengths, I produce a progressively decreasing stiffness from the bottom through that portion of the flexible band 3 which is reinforced by both sets of pointed tabs, and a less rapidly decreasing stiffness from said portion throughout that portion reinforced by the longer set of tabs alone.

The pointed tabs 5 and 6 are shown extending, respectively, through substantially one-sixth and one-third the height of the flexible side walls 1; thereby reinforcing said walls to provide a maximum stiffness at the bottom, and a progressively decreasing stiffening throughout the lower third of said flexible walls. It will be noted that at the pointed ends of the longer tabs 6 the stiffness gradually merges into that of the unreinforced flexible side walls, thus avoiding any sharp line of demarcation which would constitute a weak section tending to distortion in use.

From the above description, it will be understood that my invention provides an improved construction, in which the margin will securely seal the vessel, and the pointed tabs 5 and 6 will provide convenient means for very securely attaching the bottom in position and reinforcing the side walls to provide a maximum of stiffness with a minimum of weight.

The drinking vessel is shown tapering to permit compact nesting of a series thereof, and can be inexpensively manufactured by the employment of a tapered mandrel and former.

Figs. 5 and 6 illustrate a modification, in which the drinking vessel is formed with cylindrical flexible side walls 7 having a bottom attached in the previously described manner, and corrugated at 8 throughout their lower portion; said corrugations acting to stiffen the relatively thin side walls for a distance above the reinforcing pointed tabs, and to augment the attractiveness of the vessel. This modification can be conveniently manufactured in an inexpensive manner by employing a cylindrical corrugated mandrel and a corresponding corrugated former.

I have illustrated and described preferred and satisfactory constructions, but changes could be made within the spirit and scope of my invention.

Having thus described my invention, what

I claim as new and desire to secure by Letters-Patent is:

1. A drinking vessel comprising flexible side walls formed of uniform stiffness throughout, and a bottom having pointed tabs of different lengths arranged alternately about its periphery and attached along said side walls, whereby said side walls will be reinforced to produce a maximum stiffness adjacent said bottom and a portion of progressively decreasing stiffness extending therefrom, substantially as described.

2. A drinking vessel comprising side walls formed of a flexible band of uniform stiffness throughout, and a bottom provided on its periphery with two sets of pointed tabs of

different lengths arranged alternately in a continuous series and attached along the outer surface of said band, thereby providing a progressively decreasing stiffness from the bottom through the portion of the flexible band reinforced by both sets of tabs, and a more gradually decreasing stiffness from said portion throughout the reinforcement of the longer set of pointed tabs alone, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES L. SOWELL.

Witnesses:

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M. M. SHERER.