

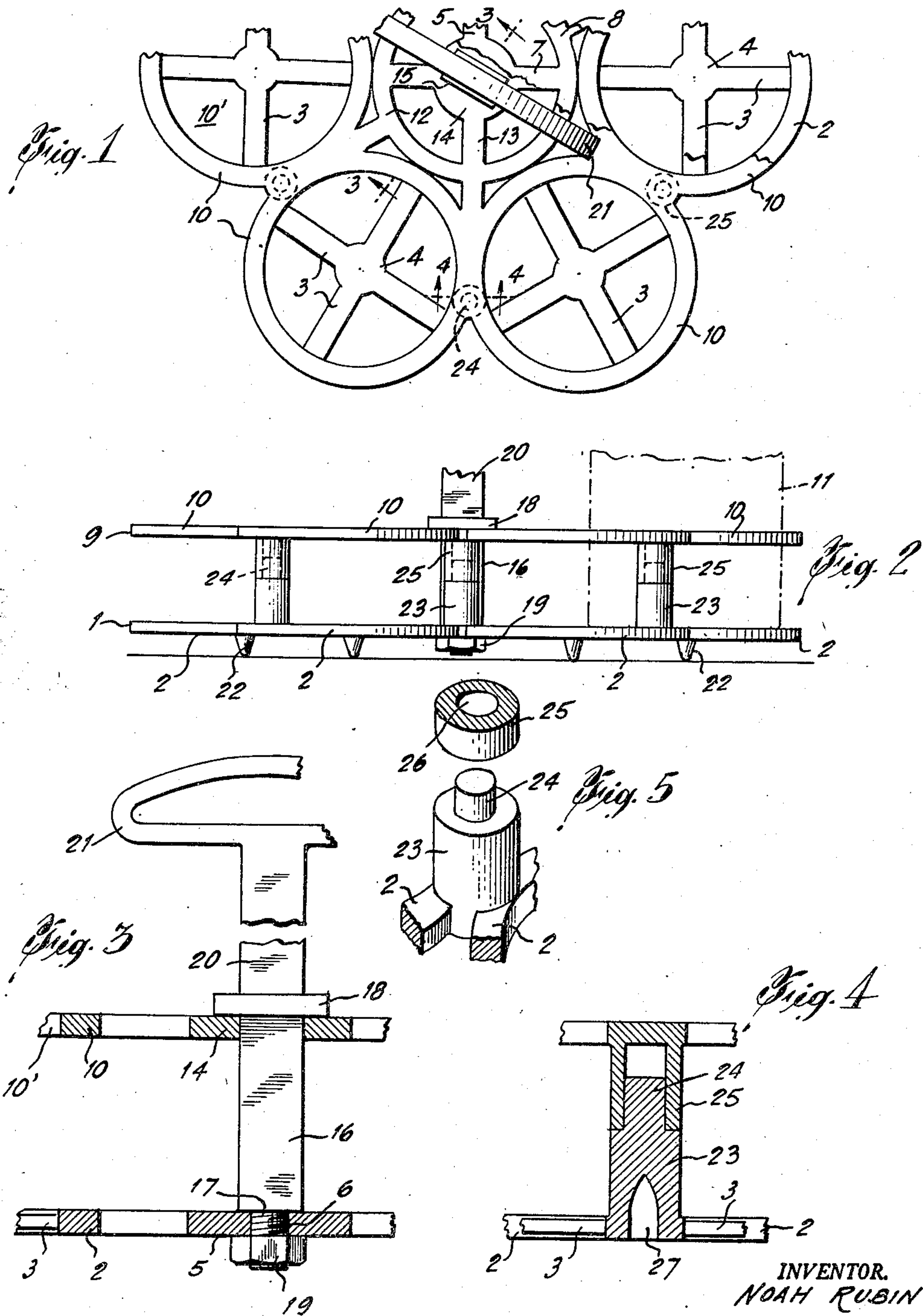
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BEVERAGE GLASS HOLDER

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1

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BEVERAGE GLASS HOLDER

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2 Claims. (Cl. 211-74)

The present invention is directed to holders, more particularly to a portable device adapted to hold a plurality of beverage glasses. It is among the objects of the present invention to provide a beverage glass holder which is made substantially entirely of plastic material molded under heat and pressure.

It is also among the objects of the present invention to provide a plurality of molded parts which may be readily and quickly assembled to form a single unit.

It is further among the objects of the present invention to provide a structure of the type described containing a handle member which may be removed and packed within the holder itself for convenient shipment in a small package.

In practicing the present invention there is provided a lower support having a series of feet extending downwardly therefrom and adapted to contact a surface on which the holder is placed. Said lower support has a central portion and surrounding the same are a plurality of stands in the form of disks arranged in a circle, each of which disks is adapted to hold a glass. Also arranged in a circle and between adjacent stands are a series of upwardly projecting members.

There is also provided an upper support arranged substantially parallel to the lower support and having a central portion. Surrounding the same and arranged in a circle are a series of rings in vertical alignment with the series of stands. All of the rings and the central portion are molded as a unit of suitable plastic material. Between adjacent rings and arranged in a circle is a series of downwardly extending projections in vertical alignment with the upwardly extending projections of the lower support.

One of the projections has tongues and the other has recesses with the tongues fitting into the recesses. The two parts of the projections are cemented together so as to permanently unite the upper and lower supports.

In the upper support at its center is an angular opening and directly below it in the lower support is a circular opening. A tie rod angular in cross-section and having a flange at the upper end, passes through the angular opening and the threaded lower end thereof passes through the opening in the lower support. A suitable nut is threaded thereon to hold the tie rod in position. A handle integral with the tie rod extends upwardly from the flange.

In the accompanying drawing constituting a part hereof and in which like reference characters indicate like parts,

Fig. 1 is a top plan view of a beverage glass holder made in accordance with the present invention, some parts being broken away for clearness;

Fig. 2 is a side elevational view thereof;

Fig. 3 is a vertical cross-sectional view taken along line 3-3 of Fig. 1;

Fig. 4 is a vertical cross-sectional view taken along line 4-4 of Fig. 1, and

Fig. 5 is an enlarged fragmentary view showing par-

2

ticularly the upwardly and downwardly extending projections which form pillars for the supports.

The lower support 1 has a series of rings 2 formed in a circle, each of the rings having spokes 3 and hubs 4 providing stands for glasses. Centrally thereof is a hub 5 having a hole 6 therein with spokes 7 radiating therefrom to ring 8. All of the elements are formed integrally by molding.

The upper support 9 consists of a series of rings 10 in vertical alignment with rings 2 providing openings 10' through which glasses 11 may be inserted to rest on the stands. A central ring 12 has spokes 13 united with hub 14 having a hole 15 in the center thereof.

A tie rod 16 of the same angular configuration as hole 15 has threaded portion 17 at the lower end thereof. A flange 18 is formed at the top of tie rod 16 and nut 19 is threaded onto portion 17 forming a firm support between the upper and lower supports. Integrally with and extending upwardly from flange 18 is member 20 terminating in handle 21. In order that the holder may stand level on a surface without interference by nut 19, there are provided a series of feet 22 extending below and being integral with the lower support 1. The length of the feet is sufficient so that the nut and portion 17 do not touch the surface.

Extending upwardly from the lower support and arranged in a circle between adjacent stands is a series of upward projections or pillars 23. Each of them has a tongue 24 of circular outline extending from the top face thereof. Extending downwardly from the upper support and in vertical alignment with projections 23 are a series of integral projections 25. Each of them has a recess 26 formed in the lower face, said recess corresponding in size with tongues 24 and being slightly deeper. In order to unite the upper and lower supports a suitable cement is placed on the tongue and recess and the projections are firmly held together, allowing the cement to set. This permanently unites the upper and lower supports.

Because of the angular hole 15 and corresponding shape of tie rod 16, the central portion of the holder is held rigidly without danger of the handle becoming displaced or twisting. For purposes of shipments, nut 19 is removed, handle 21 is raised and it may then be slid into the space between the upper and lower supports. Hollow portions 27 in the lower pillars tend to lighten the structure without detracting from the strength thereof and minimizing the danger of cracking during or after the molding operation by reducing the cross-section of the lower projections.

Although the invention has been described setting forth a single specific embodiment thereof, the invention is illustrated thereby without limitations as various changes in the details may be made without departing from the spirit thereof. For instance, the pillars need not be circular but may be of any suitable shape and the same applies to the tongues and recesses. The outline of the holder need not be scalloped but may be of any other desirable configuration. The lower support may be solid, although the provision of spokes considerably lightens the structure. The handle may be of any suitable type or shape.

These and other changes may be made in the details without departing from the principles herein set forth and the invention is to be broadly construed and not to be limited except by the character of the claims appended hereto.

I claim:

1. A beverage glass holder comprising a lower horizontal support of molded material, a plurality of feet integral therewith extending from the underside thereof,

3

an upper support of molded material substantially parallel to and spaced from said lower support and having a plurality of openings for the reception of glasses, the bottom of said glasses adapted to rest on said lower support, a central angular opening in said upper support in vertical alinement with an opening in said lower support, an angular rod of molded material corresponding to said openings and passing through the same, means on said rod above said upper support and below said lower support and contacting said supports for preventing relative movement of said rod and supports, said upper support having a circumferentially spaced downwardly extending set of integral pillars, said lower support having a corresponding set of upwardly extending integral pillars, the contacting ends of said pillars having tongues and recesses respectively, said tongues being held in said recesses the material of said tongues and recesses being united.

2. A beverage glass holder comprising a lower horizontal support of molded material, a plurality of feet integral therewith extending from the underside thereof, an upper support of molded material substantially parallel to and spaced from said lower support and having a plurality of openings for the reception of glasses, the bottom of said glasses adapted to rest on said lower support, a central angular opening in said upper support in vertical alinement with an opening in said lower support, an angular rod of molded material corresponding to said openings and passing through the same, means on said

4

rod above said upper support and below said lower support and contacting said supports for preventing relative movement of said rod and supports, said upper support having a circumferentially spaced downwardly extending set of integral pillars, said lower support having a corresponding set of upwardly extending integral pillars, the contacting ends of said pillars having tongues and recesses respectively, said tongues being held in said recesses, the material of said tongues and recesses being united, the cross-sections of said angular rod and angular openings being rectangular, the lower end of said rod being threaded and of a diameter less than the width of said rod forming a shoulder resting on said lower support, and a nut on said threaded end bearing on the underside of said lower support.

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