March 6, 1951 A. GOLDFARB 2,544,594

CHILD'S FEEDING DEVICE

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Fig. 1.

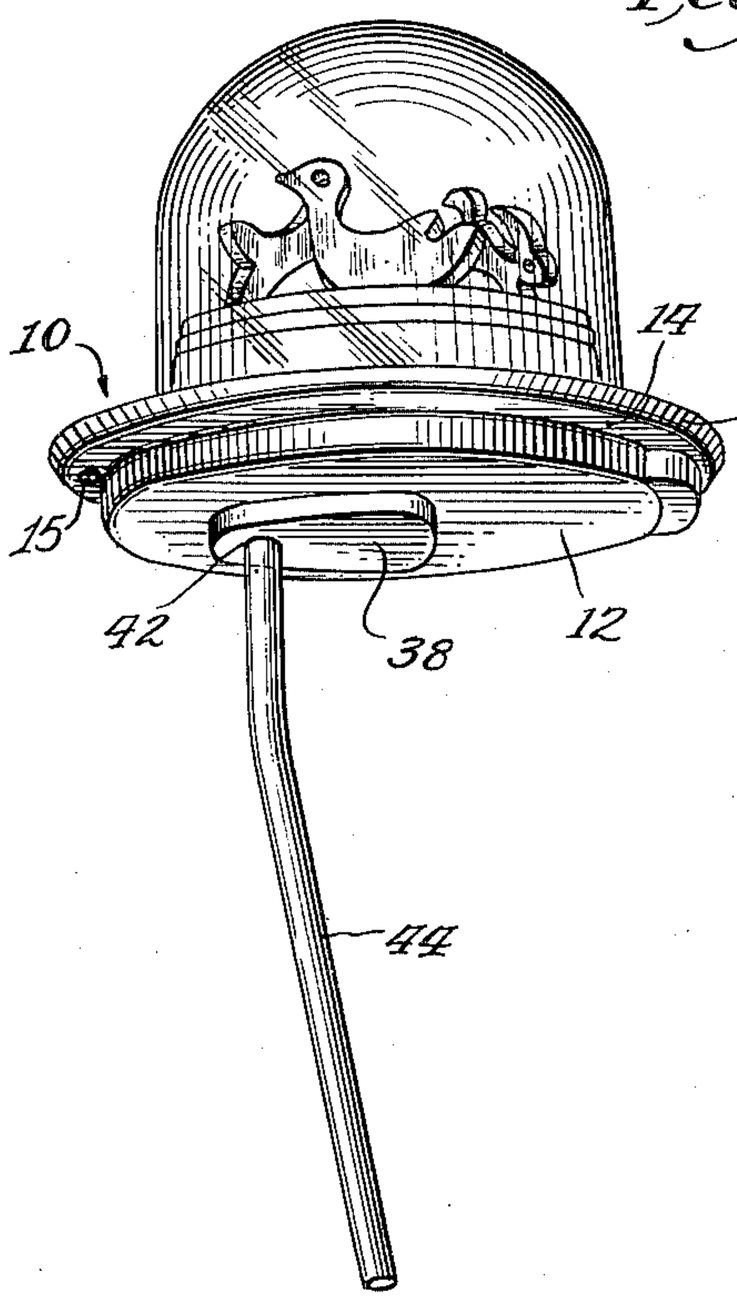
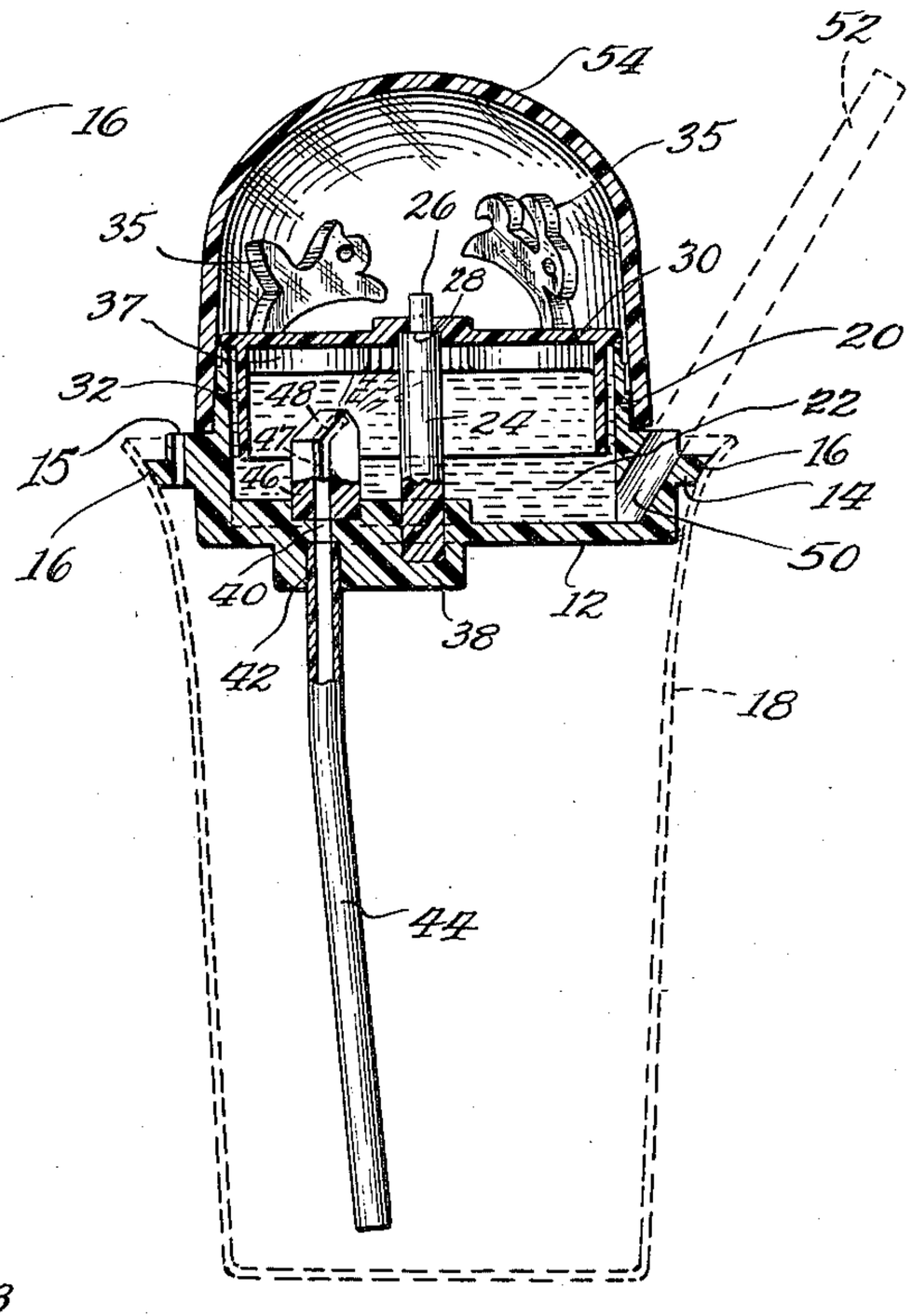


Fig. 2.



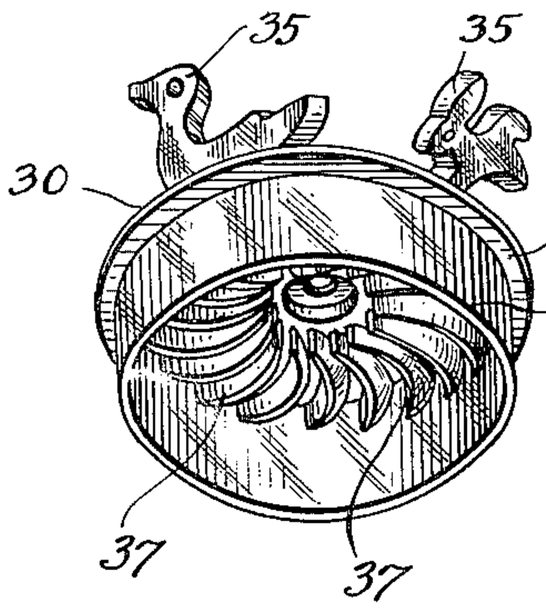


Fig. 3.

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CHILD'S FEEDING DEVICE

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12 Claims. (Cl. 46—41)

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This invention relates to children's feeding devices and particularly to a device for use by children in connection with the drinking of liquids and the like.

One of the objects of this invention is to provide a stimulus for children to drink their milk or other liquids by providing a device which fits over the drinking glass and which has a rotatable platform or disc rotatable in the manner of a merry-go-round as the liquid is sipped through the drinking straw.

It is an established fact that children have to be induced to drink liquids such as milk, juices and the like and that various methods for engaging their attention are utilized by the parents. It is therefore an object of this invention to provide a very simple, inexpensive and sanitary device which utilizes the sipped liquid to impart a rotary motion to the device and provide an entertaining attraction for the child during the sipping of the liquid.

Other objects will become apparent as this description progresses.

In the drawings:

Fig. 1 is a perspective view of my device.

Fig. 2 is a cross sectional view of same showing its position on a drinking glass, and

Fig. 3 is a perspective view of the rotatable platform and showing as well the underside thereof.

The base member, generally indicated at 10, may be integrally formed or cast of plastic or the like, and comprises a flat base or cover surface 12 and an annular flanged portion 14 having an inclined periphery 16 which engages the upper or lip end of the drinking glass 18 in a friction tight fit and supports the unit on the top of the glass. The flanged portion 14 has a vent 15 which permits air to enter the drinking glass 18 when the device is positioned on the glass.

An annular upstanding wall 20 rises from the base surface 12 to form therewith a well or chamber 22. Centrally attached on said base 12 is a vertical post or shaft 24 which has a reduced circular end 26 defining a shoulder 28.

Rotatably mounted on the shoulder 28 of the shaft 24 is a platform or disc 30 having a depending skirt 32 offset inwardly of the periphery 33 of the disc. The skirt depends into the well 22 but is not in contact with the wall 20. The periphery 33 of the disc overhangs the upper edge of the wall 20 and prevents the seepage of liquid from the well or chamber 22.

Permanently and spacedly affixed to the top of the disc 30 are a plurality of toy figures 35.

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The underside of the disc 30 has radially extending arcuately shaped vanes or blades 37 which may be integrally molded with the disc.

The underside of the base 12 has a boss 33 and an opening 40 which is enlarged as at 42 in the boss and extends through the base and boss. A hollow tube 44 is secured in the opening 42. Secured on the base is a section 46 which has a vertical bore 47 communicating with an inclined outlet bore 48. The section 46 is secured so that the bores are in communication with the openings 40 and 42 and with the tube 44.

The wall 20 has an inclined opening 50 which communicates with the well or chamber 22. A suction straw or drinking tube 52 is inserted in the opening 50.

A transparent dome shaped covering 54 has a friction seal tight fit with the outside of the wall 20 and encloses the parts described, so that as long as the cover 54 is in place, the moving parts are sealed and enclosed and the unit may be very readily handled and positioned and placed on top of a glass or other liquid container.

The operation of the device will now be described. The unit is placed on any container or drinking glass, as shown in Fig. 2, which is filled with a liquid such as milk or the like, the tube 44 extending into the liquid. When the child's mouth which is applied to the tube 52 sucks up the liquid in the tube, the suction will cause the liquid to pass into the tube 44, through opening 40, through bores 47 and 48 and out at an angle, striking against the vanes or blades 37. The liquid striking the blades 37 will cause the platform or disc 30 with the toy characters 35 thereon to rotate clockwise providing a merry-go-round appearance and attracting and maintaining the child's interest. The liquid after it strikes the blades 37 will drop into the well or chamber 22 where it then enters into the suction or drinking tube 52 and into the child's mouth. This action is continuous and begins almost simultaneously with the first suction by the child on the tube 52 and will continue as long as the suction is maintained and there is liquid in the glass.

The parts may be readily disassembled and cleaned, thereby providing a device which may be sanitarily maintained.

It will be understood that various changes may be made without departing from the spirit and scope of this invention.

I claim:

1. A children's feeding device comprising a cover adapted to be positioned over the top of a container adapted to contain a liquid, said cover

supporting a rotatable member, a tube supported by said cover and adapted to extend into said liquid, another tube supported by said cover and extending outwardly of said cover and engageable by the mouth and adapted when suction is applied thereto to withdraw the liquid from the container and to cause said liquid to rotate said rotatable member.

2. A children's feeding device comprising a base member adapted to be positioned over the top of a container adapted to contain a liquid, said base member supporting a rotatable platform having toy characters mounted thereon, a chamber between said base member and platform, a tube leading from the container to said chamber and a tube leading outwardly from said chamber and engageable by the mouth and adapted when suction is applied thereto to withdraw the liquid from the container into said chamber and cause the rotation of said platform.

3. A children's feeding device comprising a cover adapted to be positioned over the top of a container adapted to contain a liquid, said cover supporting a rotatable member which has a plurality of blades, a chamber enclosing said rotatable member, a tube supported by said cover and communicating with said chamber and extending into the liquid, another tube communicating with said chamber and engageable by the mouth and adapted when suction is applied thereto to withdraw the liquid from the container into said chamber to cause said liquid to strike said blades and to rotate said rotatable member.

4. A children's feeding device comprising a cover adapted to be positioned over the top of a container adapted to contain a liquid, said cover providing a chamber on the top side thereof, a rotatable member having a plurality of blades supported on said chamber, a tube supported by said cover extending into said container and communicating with said chamber, another tube leading outwardly from said chamber engageable by the mouth and adapted when suction is applied thereto to withdraw the liquid from the container into said chamber to cause said liquid to strike said blades so as to rotate said rotatable member.

5. A children's feeding device comprising a cover adapted to be positioned over the top of a container adapted to contain a liquid, said cover supporting a rotatable member, a transparent closure member enclosing said rotatable member and forming a chamber, a tube depending from said cover and in communication with said chamber and adapted to extend into said liquid, a drinking tube in communication with said chamber and extending outwardly of said cover, said tube being engageable by the mouth so that when suction is applied thereto to create a vacuum to withdraw liquid from the container a stream of liquid is caused to impinge on said rotatable member whereby to rotate the same.

6. A children's feeding device comprising a base member adapted to be positioned over the top of a container adapted to contain a liquid, said base member supporting a rotatable platform in spaced relation thereto, a transparent closure member enclosing said rotatable platform and forming a chamber with said base member, a tube leading from the container to said chamber, and a drinking tube leading outwardly from said chamber and engageable by the mouth, said first mentioned tube when suction is applied to said second mentioned tube creating a vacuum in said chamber to withdraw the liquid from the container and arranged to direct a jet of liquid to impinge on said rotatable member and rotate the same.

7. A children's feeding device comprising a cover adapted to be positioned over the top of a container adapted to contain a liquid, said cover having a chamber and supporting a vertical post therein, a platform rotatably supported on said post, said platform having a plurality of vanes on the underside thereof, a tube associated with said cover and adapted to extend into said liquid with the discharge end in the path of said vanes, another tube communicating with said chamber and engageable by the mouth so that when suction is applied thereto to withdraw the liquid from the container said liquid will impinge on said vanes to rotate said platform.

8. A children's feeding device comprising a cover adapted to be positioned over the top of a container adapted to contain a liquid, said cover having an upstanding annular wall, a closure member in sealing engagement with said wall, a vertical post on said cover, a platform rotatably supported on said post and having a plurality of vanes on the underside thereof, a chamber formed between said closure member and said cover, a tube supported by said cover and adapted to extend into said liquid and to communicate with said chamber, a drinking tube leading outwardly of said chamber and engageable by the mouth so that when suction is applied thereto to withdraw the liquid from the container said liquid is caused to impinge on said vanes to rotate said platform.

9. A children's feeding device comprising a cover adapted to be positioned over the top of a container adapted to contain a liquid, said cover having an upstanding annular wall, a vertical post on said cover, a platform rotatably supported on said post and having a plurality of blade members on the underside thereof, a chamber formed between said rotatable member and said cover, a transparent dome shaped member secured to said upstanding wall in sealing engagement therewith, a tube associated with said cover and adapted to extend into said liquid and to communicate with said chamber, a drinking tube leading outwardly of said chamber and communicating therewith and engageable by the mouth so that when suction is applied thereto to withdraw the liquid from the container said liquid is caused to impinge on said blade members to rotate said rotatable platform.

10. In a children's feeding device comprising a cover adapted to be positioned over the top of a container adapted to contain a liquid, said cover including a chamber, a rotor element mounted for rotation within said chamber, a nozzle disposed within said chamber and communicating with the liquid in said container, and a drinking tube communicating with said chamber and engageable with the mouth, said nozzle when suction is applied to the drinking tube to effect withdrawal of liquid from the container directing a stream of liquid to impinge on said rotor to cause the same to rotate.

11. A children's feeding device comprising a cover adapted to be positioned over the mouth of a container adapted to contain a liquid, said cover including a chamber, a rotor element mounted for rotation within said chamber, a plurality of vanes associated with said rotor, a nozzle communicating with the liquid in said container and disposed in the path of travel of said vanes, and a drinking tube in communica-

tion with said chamber, said nozzle when suction is applied to said tube to withdraw liquid from the container directing a stream of liquid to impinge on said vanes so as to effect rotation of said rotor.

12. A cover adapted to be positioned over the mouth of a container adapted to contain a liquid, said cover including a chamber, a rotor element mounted for rotation within said chamber, means communicating with the liquid in the container for directing a jet of liquid against said rotor element to rotate the same, and a drinking tube in communication with said chamber, the liquid in said container when a vacuum is applied to said tube being discharged through said means in a jet against said rotor element to rotate the same.

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