Aug. 11, 1953 J. F. MOELLER 2,648,162

TOY DRINKING ANIMAL WITH CAPILLARY TUBE

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Fig.1

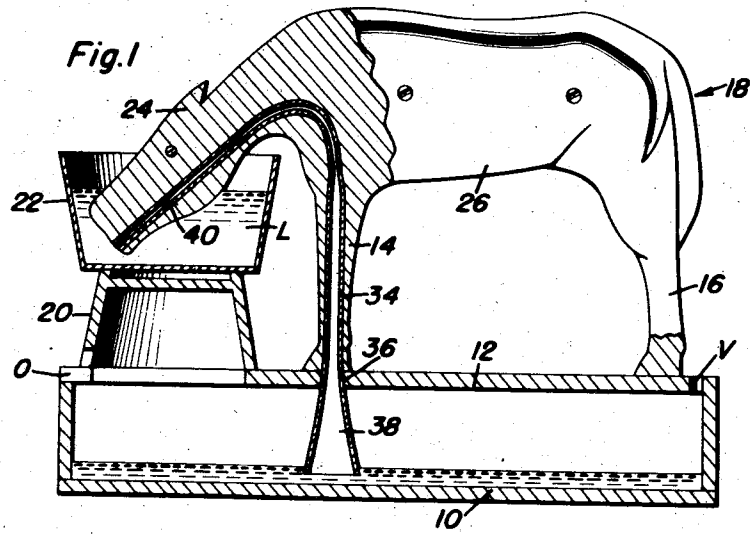



Fig.2

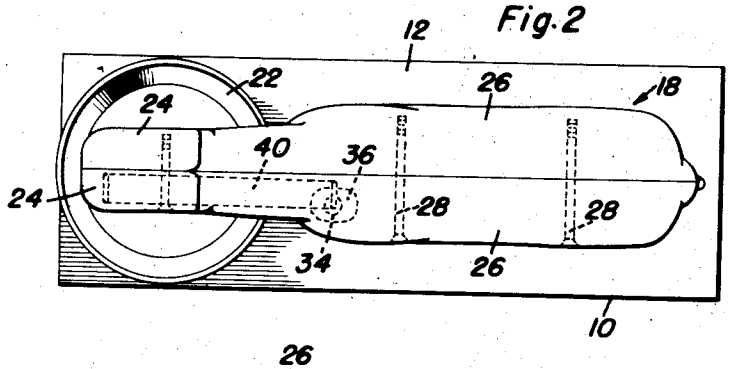
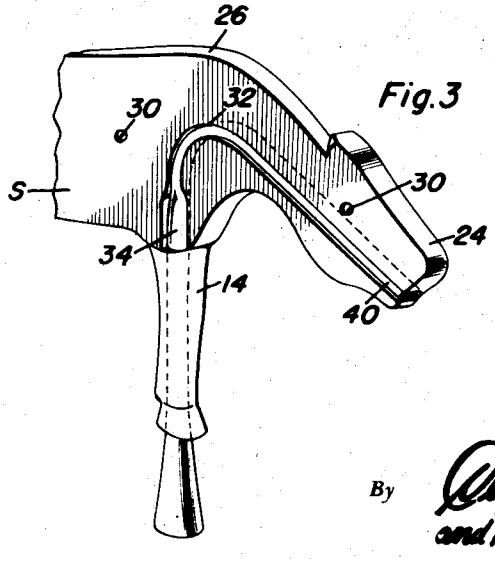



Fig.3




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## TOY DRINKING ANIMAL WITH CAPILLARY TUBE

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6 Claims. (Cl. 46—141)

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This invention relates to new and useful improvements in amusement devices and the primary object of the present invention is to provide a toy drinking animal that will amuse and educate children and adults.

Another important object of the present invention is to provide a toy drinking animal embodying upper and lower containers and a siphon having one of its ends extending into the lower container and its other end formed into a capillary tube that extends into the upper container so that as a liquid is poured into the upper container the liquid will rise in the capillary tube over the hump of the siphon and will then pass into the lower container.

A further object of the present invention is to provide a toy drinking animal of the aforementioned character wherein the liquid in the upper container is exposed to permit observation of liquid while it is being siphoned to the lower container.

A still further aim of the present invention is to provide a toy drinking animal that is simple and practical in construction, neat and attractive in appearance, inexpensive to manufacture, and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side view of the present invention, partly in section and partly in elevation;

Figure 2 is a top plan view of the present invention; and,

Figure 3 is a fragmentary perspective view of the imitation animal.

Referring now to the drawings in detail, wherein for the purpose of illustration, there is disclosed a preferred embodiment of the present invention, the numeral 10 represents a hollow base or lower container having an upper wall 12 to which the forward and rear legs 14 and 16 of an imitation horse 18 are suitably secured.

A hollow support 20 rises from one end of the base and is preferably integrally formed with the base. An upper container 22 is supported on the support 20 and is suitably secured to the support to receive the head portion 24 of the horse or animal 18.

The imitation horse 18 is constructed of two similar body forming halves 26 having inner flat surfaces that are held in abutting relation by

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bolts 28 that extend through apertures 30 in one of the halves 26 and are threaded to the other of the halves. One of the halves 26 is formed with a U-shaped slot 32 that extends through the forward leg of this half.

A siphon 34 is mounted in the slot 32 and includes a vertical portion that extends through the leg 14 of the slotted one of the sections 26 and into the base 10 through an aperture 36 in the wall 12. The lower end of the siphon 34 terminates in an outwardly flared portion 38 to aid in the efficient operation of the siphon.

The downwardly inclined end of the siphon is depressed to form a capillary tube 40 that extends through the portion of slot 32 in the head portion 24 of the slotted half 26. The siphon including the capillary tube portion thereof is substantially flush with one face of half 26 of the animal 18 to permit bolting to the other half 26 of animal 18.

In practical use of the present invention, the container 22 is filled with water (or such suitable liquid) approximately ¼" from its top. After a pause, the water will rise due to capillary action, in the tube 40 over the hump of the siphon and will pass into the lower container 10.

After a considerable amount of water has passed from the container 22, the container is again filled with water and the aforementioned procedure repeated.

The wall 12 is provided with an outlet O and a vent opening V so that the water entering the base may be removed.

The tube 40 is arcuate in cross-section and its radius is approximately 1/64" or slightly less. The tube 40 is preferably constructed of glass or a glassed surfaced material and the flared end 38 is preferably serrated or roughened to reduce film on the flared end.

Having described the invention, what is claimed as new is:

1. A toy drinking animal comprising a hollow base, an imitation horse supported on the base and including a head portion, a container supported above the base and receiving the head portion of the horse, and an inverted substantially U-shaped rigid tube having a vertical portion extending into the base and a vertically inclined portion of reduced cross-section that forms a capillary tube, said inclined portion extending through the head portion to permit a liquid placed in the container to pass through the tube and into the base.

2. A toy drinking animal comprising a hollow base, an imitation horse supported on the base

and including a head portion, a container supported above the base and receiving the head portion of the horse, and an inverted substantially U-shaped rigid tube having a vertical portion extending into the base and a vertically inclined portion extending through the head portion to permit a liquid placed in the container to pass through the tube and into the base, the vertically inclined portion of said tube being considerably smaller in cross-section throughout its length than the vertical portion of said tube.

3. A toy drinking animal comprising a hollow base, an imitation horse supported on the base and including a head portion, a container supported above the base and receiving the head portion of the horse, and an inverted substantially U-shaped rigid tube having a vertical portion extending into the base and a vertically inclined portion extending through the head portion to permit a liquid placed in the container to pass through the tube and into the base, the vertically inclined portion of said tube being considerably smaller in cross-section throughout its length than the vertical portion of said tube, said vertical portion terminating in an outwardly flared extremity.

4. A toy drinking animal comprising a hollow base, an imitation horse composed of two halves supported on the base and each including a head portion, a container supported above the base and receiving the head portion of the horse, and an inverted substantially U-shaped rigid tube having a vertical portion extending into the base and a vertically inclined portion extending through the head portion to permit a liquid placed in the container to pass through the tube and into the base, the vertically inclined portion of said tube being considerably smaller in cross-section throughout its length than the vertical portion of said tube, said vertical portion terminating in an outwardly flared extremity, said horse having a U-shaped slot therein receiving said tube inwardly of contiguous surfaces of the two halves to permit fastening of the halves together.



5. A toy comprising a hollow base, an imitation animal supported on the base, a support rising from the base, a container on said support and open at its top permitting observation of the liquid within it, said animal including a head portion received in said container, and a siphon carried by said animal and including a vertical portion extending into the base and a vertically inclined portion forming a capillary tube.

6. The combination of claim 5 wherein said base comprises a lower container having an air vent.

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