Oct. 21, 1941. A. BERLAND 2,259,876

FROG FEEDING DEVICE

Filed Feb. 5, 1940

Fig. 1.

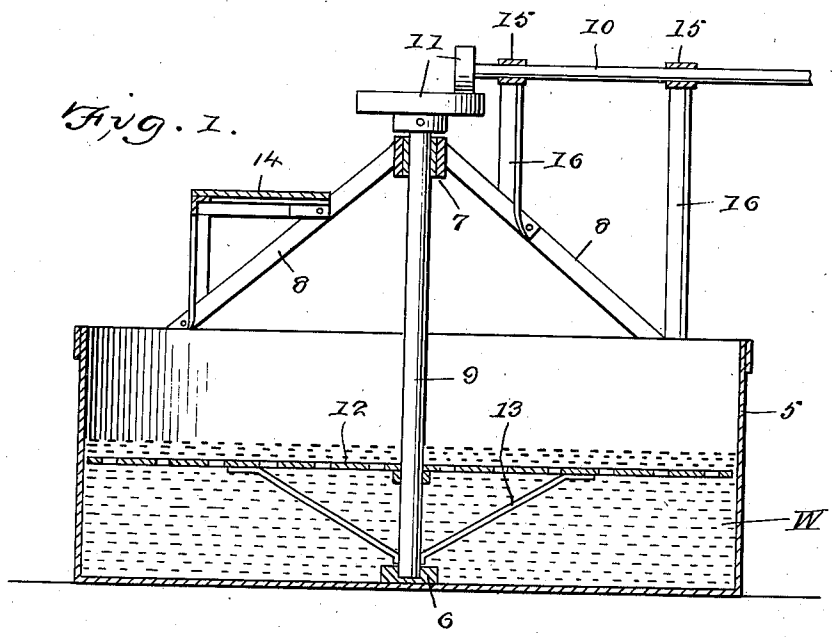
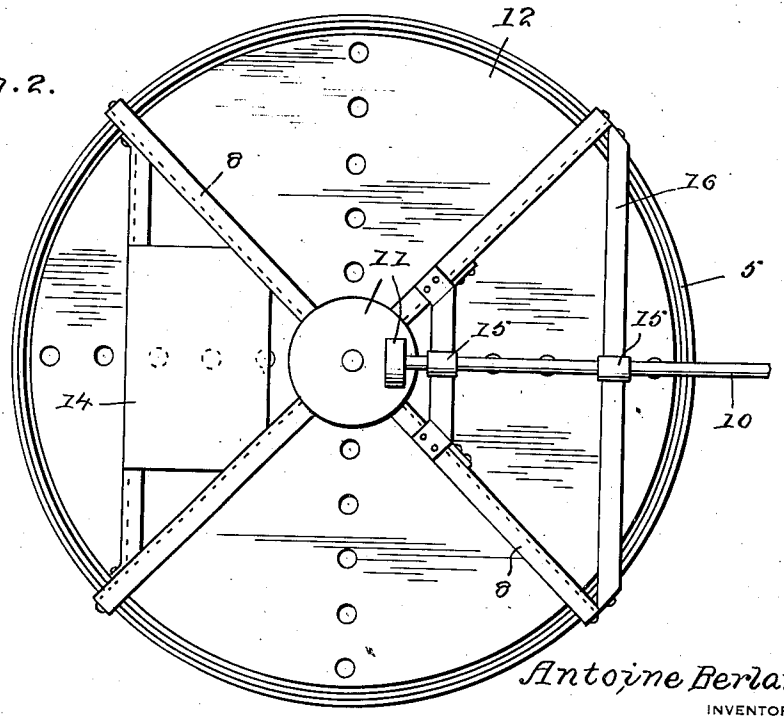


Fig. 2.



Antoine Berland
INVENTOR

BY Victor J. Evans & Co.
ATTORNEYS

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FROG FEEDING DEVICE

Antoine Berland, San Quentin, Calif.

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2 Claims. (Cl. 119—1)

My invention relates to frog feeding devices and has as one of the principal objects thereof the provision of a frog feeding device so constructed and arranged whereby to effect relative movement of the food with respect to the frogs, it being well known that frogs have a tendency to eat only moving food.

Another object of my invention is to provide a device of the above described character which is simple in construction, durable in use, efficient in operation and economical in manufacture.

Other objects and advantages will be apparent from the following description, appended claims and annexed drawing.

Referring to the drawing wherein like reference characters designate like parts throughout the several views:

Figure 1 is a vertical sectional view of my invention.

Figure 2 is a top plan view thereof.

In practicing my invention I provide a cylindrical-shaped tank 5 which contains water W or other liquid. A bearing 6 is centrally mounted on the bottom of the tank and in axial alignment with a bearing 7 supported above the tank through the medium of angle irons 8 extending inwardly and upwardly from the side wall of the tank.

A vertical shaft 9 is rotatably supported by the bearings 6 and 7 and the upper end of said shaft is connected to a power shaft 10 through the medium of friction gears 11 whereby the shaft 9 is rotated, it being understood that a suitable source of power (not shown) is connected to the shaft 10. Subjacent the level of the water in the tank, the shaft 9 has mounted thereon for rotation therewith a perforated platform 12, the latter having fixed thereto the upper ends of braces 13, the lower ends of which are connected to the shaft 9 superjacent the bearing 6.

One pair of the angle irons 8 have connected thereto and extending therebetween a deck 14 from which food or the like may be discharged into the water for consumption by frogs seated on the platform 12 as hereinafter set forth. The power shaft 10 is journaled in bearings 15, the latter being connected by means of support members 16 to a pair of the angle irons 8 and the tank 5 as clearly illustrated in the drawing.

In operation, rotation is imparted to the platform 12 through the medium of the power shaft 10 whereby frogs seated on the platform 12 will be caused to rotate at a relatively slow speed within the tank, thus food deposited in the tank and which remains substantially stationary in the water will create the illusion to the frogs of being moved due to the rotation of the frogs.

Without further elaboration, the foregoing will so fully explain the invention that others may, by applying current knowledge, readily adapt the same for use under various conditions of service. Moreover, it is not indispensable that all the features of the invention be used conjointly since they may be employed advantageously in various combinations and sub-combinations.

It is obvious that the invention is not confined to the herein described use therefor as it may be utilized for any purpose to which it is adaptable. It is therefore to be understood that the invention is not limited to the specific construction as illustrated and described, as the same is only illustrative of the principles of operation, which are capable of extended application in advanced forms, and that the invention comprehends all construction within the scope of the appended claims.

What I claim is:

1. In a frog feeding device, an open top tank adapted to contain liquid, a bearing fixed centrally on the bottom of the tank, a plurality of radial elements extending inwardly and upwardly from the top of the tank, a bearing secured to the inner ends of the said radial elements, a shaft rotatably supported in vertical position in the said bearings, a pair of horizontally spaced bearings supported above the tank, a power shaft journaled in the said last-mentioned bearings, gear means for driving the vertical shaft through the power shaft, a flat perforated platform mounted horizontally in the tank concentrically about the vertical shaft, a plurality of braces secured to and extending radially from the bottom end portion of the vertical shaft, the said braces extending at an upward inclination and having their outer ends fastened to the medial portion of the platform to support the same approximately midway between the top and bottom of the tank, and a horizontally disposed feed deck mounted on some of the radial support elements.

2. In a frog feeding device, comprising an open top tank adapted to contain liquid, a bearing fixed centrally on the bottom of the tank, an upwardly extending skeleton frame supported by the upper end of the tank, a bearing carried by the skeleton frame above the bearing in the tank, a shaft rotatably supported in vertical position in the said bearings, a pair of horizontally spaced bearings supported upon the tank, a power shaft journaled in said last mentioned bearings, gear means for driving the vertical shaft through the power shaft, a platform fixed to the vertical shaft below the upper end of the tank, and a horizontally disposed feed deck mounted on the skeleton frame some distance above the upper end of the tank.

ANTOINE BERLAND.