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2,482,893

COIN TRAPPING GAME

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Fig. 1.

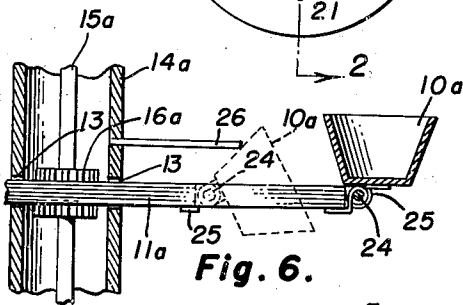
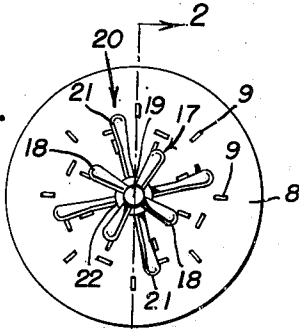


Fig. 6.

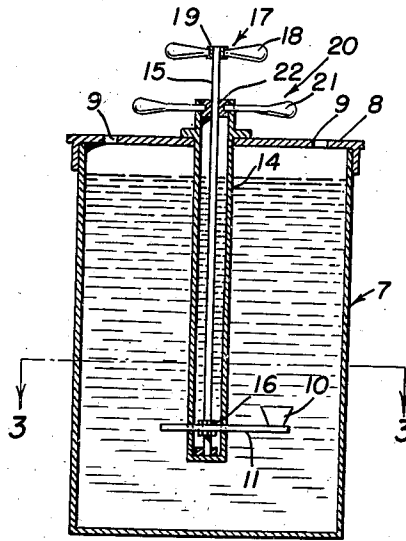


Fig. 2.

Fig. 3.

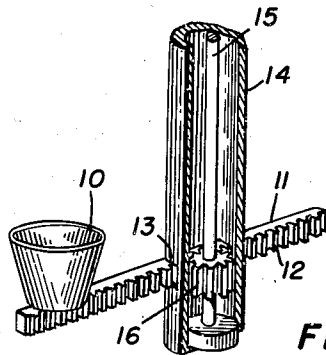
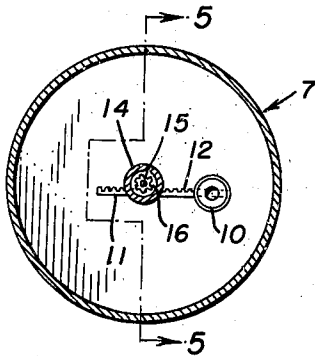


Fig. 4.

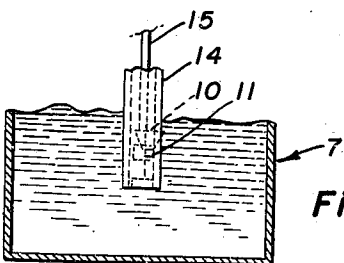


Fig. 5.

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## COIN TRAPPING GAME

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10 Claims. (Cl. 273-138)

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The present invention relates to the class of games and has more particular reference to a game of skill in which the participants undertake to trap descending coins in a confined body of water.

More specifically, the invention appertains to a device characterized by a transparent jar, containing water, said jar having a top provided with coin slots through which the coins are dropped, one at a time, to descend and to dart haphazardly during the course of descent in the water, means being provided for manual manipulation from the exterior of the jar and said means including a cup which is skillfully maneuvered in the water in an effort to trap each down-dropping coin.

In carrying out the principles of the inventive concept, I have contrived an ingenious and intriguing adaptation of devices permitting the cup to be maneuvered in diverse ways, whereby to enable the user to pilot same in the hopes of making a perfect catch of the elusive coin.

Another object of the invention is to provide cup means immersed in the body of water, and operating and controlling means therefor which is such as to permit the cup to be moved in a horizontal radial manner from a central axial point, causing the cup to move toward and from the jar, additional means being provided whereby the cup may be swung in circular paths, this in order to allow same to be located at such points as is considered necessary to occupy a position beneath the descending coins.

Other objects and advantages of the invention will become more readily apparent from the following description and the accompanying illustrative drawings.

In the drawings, wherein like numerals are employed to designate like parts throughout the views:

Figure 1 is a top plan view of a coin trapping game constructed in accordance with the principles of the present invention.

Figure 2 is a central vertical sectional view taken on the plane of the line 2-2 of Figure 1, looking in the direction of the arrows.

Figure 3 is a horizontal section on the plane of the line 3-3 of Figure 2.

Figure 4 is a fragmentary perspective view showing a central mechanical movement.

Figure 5 is a fragmentary sectional elevational view taken approximately on the plane of the irregular line 5-5 of Figure 3.

Figure 6 is a fragmentary perspective view showing a modified phase of the invention in

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which the coin trapping cup is tiltably mounted for dumping the coins when completely charged with same.

Referring now to the drawings by distinguishing numerals, it will be seen that the jar or equivalent container is denoted by the numeral 7. This is preferably of transparent material and of sufficient capacity to contain seven or eight gallons of clear water. A suitable closure 8 is provided at the top and this is, in turn, provided with a multiplicity of slots 9 located at different points and of different sizes to permit coins of different denominations to be inserted and dropped into the body of water. It is obvious that when a coin is dropped into the water, it will dart indeterminately during the period of gravitation to the bottom of the jar. Because of this, coin trapping means is needed to cope with the situation. It follows that the coin trapping means herein shown and described is somewhat universal in character, this in order to aptly fulfill requirements.

The means chosen to accomplish the desired ends comprises a coin trapping cup 10 of suitable shape and size. The one shown is substantially frusto-conical in form. It is mounted on the outer end of an adjusting and maneuvering arm 11. The arm is provided with rack teeth 12 and is slidably mounted in slots 13 provided therefor in the lower end portion of a vertical axially mounted cylinder 14. The cylinder is suitably mounted in the central portion of the cover and depends into the water, terminating short of the bottom of the jar. The arm 11 is therefore confined to a position in the lower region of the jar. The cylinder serves also to accommodate a central rotatably mounted vertical shaft 15. The lower end portion of the shaft is provided with a cog 16 whose teeth mesh with the rack teeth 12. The upper end of the shaft extends above the cover and is provided with a pilot wheel 17 having handles 18 attached to a hub 19 which is secured to the shaft. A second pilot or steering wheel 20 is also provided and this includes radial circumferentially spaced handles or grips 21 connected to a hub 22 which is, in turn, keyed or secured to the rotatably mounted cylinder 14. It is obvious, therefore, that by operating the pilot wheel 20, the entire assembly is turned, as a unit. This step in the operation of the device, permits the arm 11 and cup 10 to swing in a horizontal plane and through selected orbital paths.

It is obvious, too, that in addition to piloting the cup in circular fashion, it may be radially adjusted, that is, toward and from the jar and

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cylinder, this result being obtainable by manipulating the pilot wheel 17. Thus, the cup is piloted in and out, so to speak, while it is swung arcuately and in a horizontal plane, this in an obvious manner.

In practice, coins are dropped through selected slots 9 in the top 8, and are allowed to descend through the water to the bottom of the jar or other container. The participant dropping the coin then maneuvers and manipulates the trapping cup 10, depending on his particular skill, in a manner to trap the coin in the cup.

With this apparatus, a player can go on a "fishing expedition" which proves to be not only highly amusing but involves skill beyond ordinariness. The "cup-casting" steps are cleverly attained by wheeling and steering the cup to land the catch. These results are touched upon, merely in passing, to give insight into commercial aspects such as invariably "sell" the game almost at once.

Obviously, such rules and regulations may be prescribed in utilizing a game of this type, but inasmuch as said rules vary, it is evident that no point will be served by describing any particular set of rules here.

Reference is had now to the modified structural aspect of the invention. This is shown in Figure 6 wherein it will be observed that the horizontal projectible and retractible rack arm is denoted by the numeral 11a. The coin trapping cup or receptacle is indicated at 10a and in the instant situation it is hingedly mounted as at 24 and a spring is associated with the cup, arm and hinge in order to return the cup to a normal horizontal coin receiving position as seen in full lines. The hinge and spring means, however, permits the cup to be tilted to the dotted line position also shown in the same figure, this for purposes of dumping coins from the cup when it becomes overfull. The rack arm 11a is slidably mounted in slots in the vertical rotary cylinder 14a and the rack teeth engage the pinion 16a on the shaft 15a within the confines of the cylinder 14a. The only other part to mention is the stop pin 26 which is carried fixedly by the cylinder. This pin projects outwardly as shown and hence by retracting the arm and cup, when the cup comes into contact with the stop pin, the cup is obviously tilted to the dotted line position as shown. The coins are dumped and then the cup is sufficiently emptied to effectively serve as a trapping and accounting receptacle.

A careful consideration of the foregoing description in conjunction with the invention as illustrated in the drawings will enable the reader to obtain a clear understanding and impression of the alleged features of merit and novelty sufficient to clarify the construction of the invention as hereinafter claimed.

Minor changes in shape, size, materials and rearrangement of parts may be resorted to in actual practice so long as no departure is made from the invention as claimed.

What is claimed as new is:

1. A game device of the class described comprising a container adapted to be filled with water, a coin trapping cup, a supporting arm for said cup, and means operable from the exterior of the container and adapted to swing the cup, in a horizontal plane, through predetermined arcuate paths in said container, and additional means for projecting and retracting the arm and cup radially toward and from the axial center of said container.

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2. In a game device of the class described, a jar adapted to be filled with water, said jar having a slotted cover, a cylinder vertically mounted for rotation on said cover and depending into said jar, a projectible and retractible arm adjustably mounted on and at right angles to the inner end portion of the cylinder, manually controlled means in said cylinder for projecting and retracting said arm, said means being operable from the exterior of said jar, and a cup fixed on said arm.

3. In a game device of the class described, a container adapted to be filled with water, said container having a slotted cover, a cylinder mounted for rotation on said cover and depending into said container, an arm carried by the inner end portion of the cylinder and a cup on said arm, said arm being adjustably mounted in said cylinder to permit the cup to be moved toward and from the cylinder.

4. A coin trapping game of the class described comprising a container adapted to be filled with water, said container being provided with a cover and said cover having coin slots, a vertical centrally disposed shaft mounted for rotation in said container, a cup, a supporting arm for said cup, supporting means for adjustably mounting said arm, said arm having rack teeth, said shaft being provided with a pinion and said pinion having its teeth in mesh with said rack teeth.

5. In a game device of the class described, a container adapted to be filled with water, a coin trapping cup, a pilot wheel on the exterior of the container, an operating connection between the pilot wheel and cup serving to radially adjust the cup toward and from the interior surface of the jar, and a second pilot wheel, and an operating connection between the second wheel and cup for swinging the cup in a horizontal plane through predetermined circular paths.

6. A game device of the class described comprising a container adapted to be filled with water, said container having a cover and said cover having coin slots, an axially and vertically disposed cylinder mounted for rotation in the central portion of said cover and depending into said container, a horizontal arm slidably mounted on the lower end portion of said cylinder, a cup mounted on the outer end of said arm, a pilot wheel attached to the upper end of said cylinder, said pilot wheel being disposed exteriorly of the cover.

7. A game device of the class described comprising a container adapted to be filled with water, said container having a cover and said cover having coin slots, an axially and vertically disposed cylinder mounted for rotation in the central portion of said cover and depending into said container, a horizontal arm slidably mounted on the lower end portion of said cylinder, a cup mounted on the outer end of said arm, a pilot wheel attached to the upper end of said cylinder, said pilot wheel being disposed exteriorly of the cover, a shaft mounted for rotation in said cylinder, said shaft being provided at its lower end with a pinion, said arm having rack teeth and said pinion being engageable with said teeth, said shaft extending above the cylinder, and a second pilot wheel connected to the upper end of the shaft.

8. A game device of the class described comprising a container adapted to be filled with water, said container having a cover, a cylinder mounted for rotation in said cover and depending into said container, an arm carried by the

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inner end portion of said cylinder, and a cup mounted on the outer end of said arm.

9. A game device of the class described comprising a container adapted to be filled with water, said container having a cover, a cylinder mounted for rotation in said cover and depending into said container, a horizontal arm carried by the inner end portion of said cylinder, a spring returned normally upright cup hingedly mounted on the outer end portion of said arm whereby to permit the cup to be tilted outwardly and downwardly for dumping and then returned, by said spring to its regular upright coin receiving position.

10. A game device of the class described comprising a container adapted to be filled with water, said container having a cover, a cylinder mounted for rotation in said cover and depending vertically into said container, a horizontally disposed arm slidably mounted in the inner end portion of said cylinder, manually controllable actuating means mounted essentially in said cylinder and operatively connected with and for sliding said arm, a cup mounted on the outer end of said arm, said cup being hingedly mounted

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spring means co-acting with said arm and cup and serving to normally hold said cup in an upright coin receiving position and also to permit the cup to be tilted outwardly and downwardly and then automatically returned to its regular upright position by said spring, and a dumping pin fixedly mounted on and projected horizontally and radially from said cylinder, said pin being in a plane above and parallel to said arm and said cup being in a plane with said pin and the latter in the path of movement of said cup so that by bringing the cup into engagement with the pin, the cup is thus forcibly tilted and the coins dumped therefrom.

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