

June 24, 1969

A. FORNEY

3,451,622

DECORATOR FOUNTAINS

Filed May 12, 1967

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Fig. 1

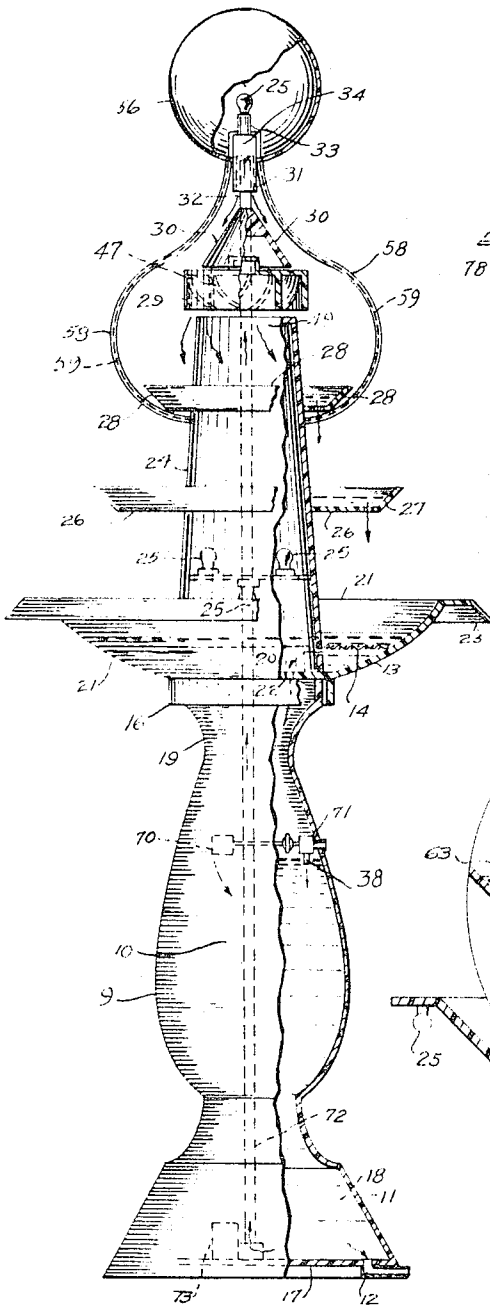


Fig. 2

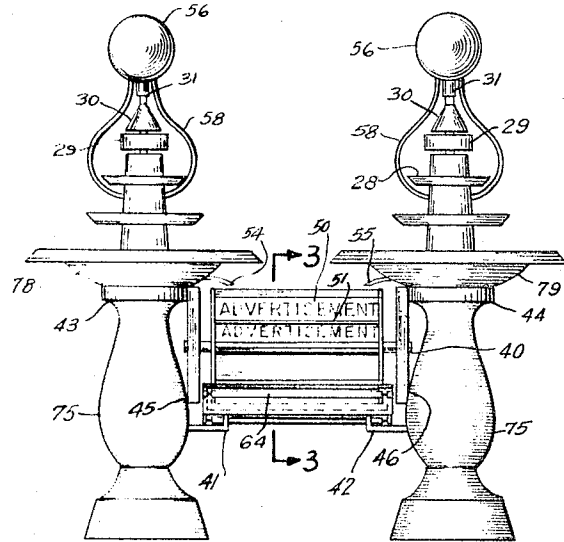
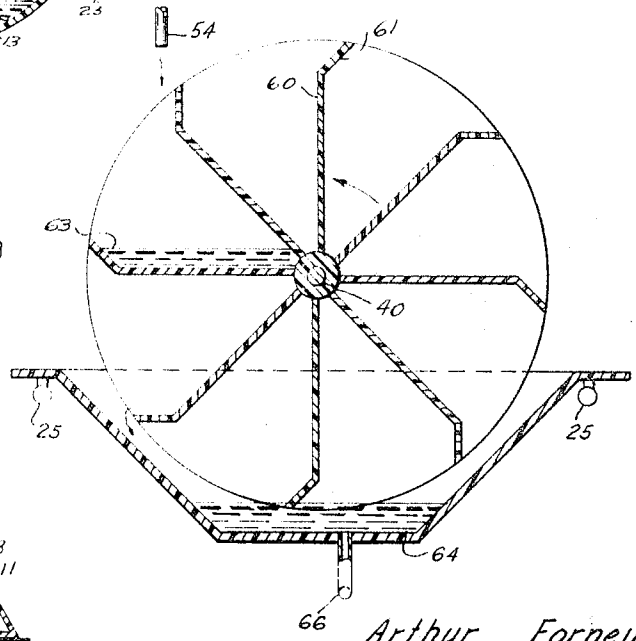


Fig. 3



Arthur Forney
INVENTOR

BY
James Harrison Bowen
ATTORNEY

June 24, 1969

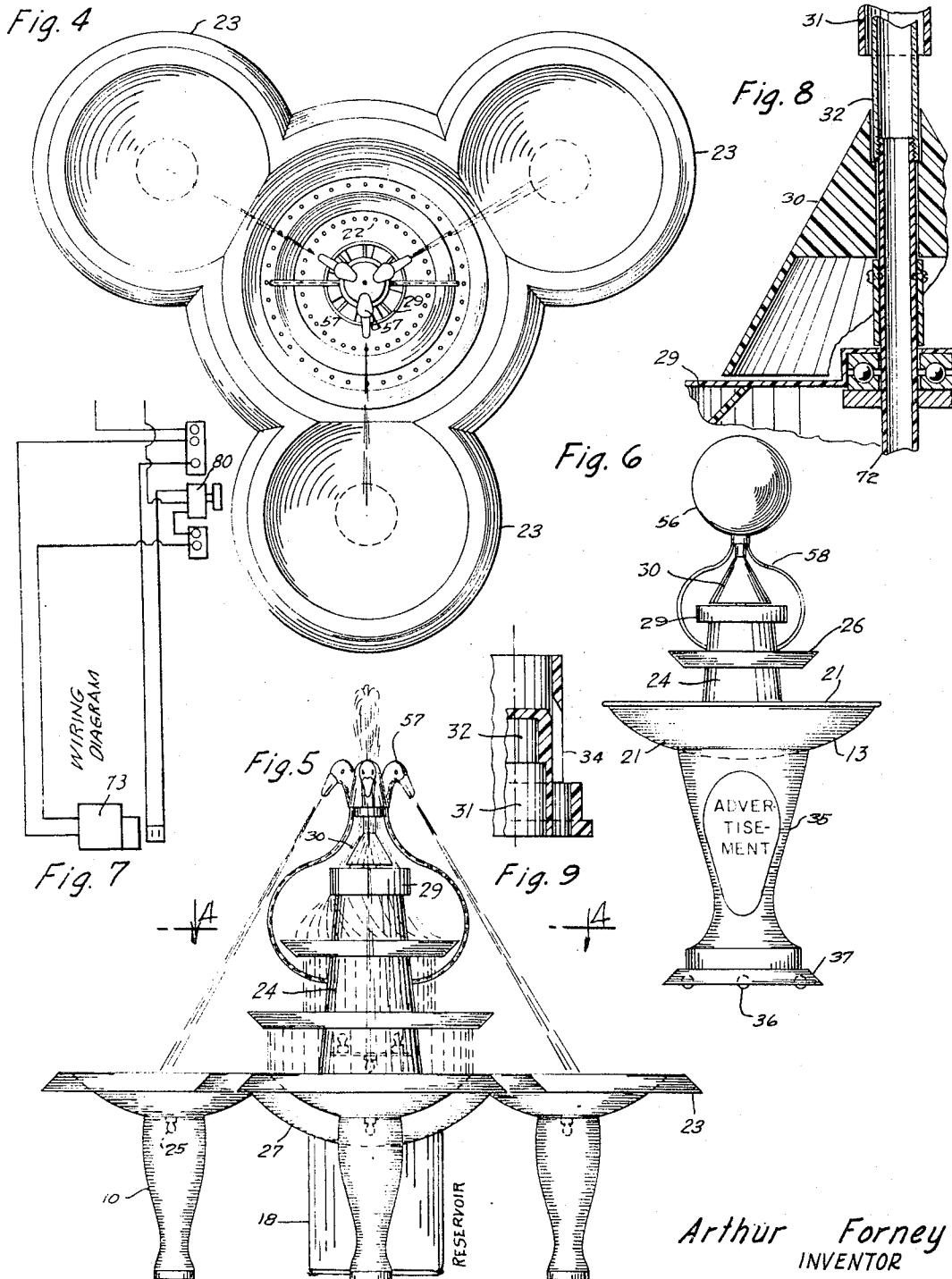
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Arthur Forney
INVENTOR

BY
James Harrison & Son, Inc.
ATTORNEY

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DECORATOR FOUNTAINS

Arthur Forney, 1670 S. Frederica Drive,
Clearwater, Fla. 33516

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4 Claims

ABSTRACT OF THE DISCLOSURE

This invention relates to decorator fountains which can be used for homes, lawns, patios, business institutions, offices, and the like, and which are mounted on casters so that they can be moved from one location to another in a simple manner. The fountains have their own built-in water reservoir and recirculating pump. The water reservoir has automatic replacement for water loss due to evaporation. The fountains are provided with a three-way electric switch which is light without pump, pump without light and pump and light combined.

The present invention embraces a plurality of fountains having frustoconical shaped body portions supported by legs and having transparent balls, animals, swans or other figures suspended by caps above the body portions with rotating impellers also mounted on the body portions, and having pumps for recirculating water, and casters for facilitating transporting the fountains from one location to another.

The purpose of this invention is to provide self-supporting fountains having water circulating means therein whereby the mountains may be operated independently, or in pairs or groups, with any desired number of fountains in each group.

The fountains are so arranged that they may readily be mounted on casters and rolled from one place or room to another and whereby parts thereof may be separated or disassembled, or the elements may be divided into basins sign boards, or other means; and other means may be used for assembling the units, or for supporting the elements independently.

The object of the invention is to provide a fountain in which a display board, basin, or a plurality of basins or containers may be mounted in stationary positions and in which means is provided for recirculating water of the basins, and containers, or fluid therein.

With these and other objects and advantages in view the invention embodies a fountain or sand having tapering walls and in which falling webs of water drop into basins of increasing sizes and wherein lights are projected against the tapering walls.

Other features and advantages of the invention will appear from the following description taken in connection with the drawings, wherein:

FIGURE 1 is a side elevational view of a display or decorative fountain of this invention with part of one side of the fountain broken away.

FIGURE 2 is a front elevational view of a dual fountain with an advertising or display board suspended between two of the fountains.

FIGURE 3 is a cross section through the dual fountain of FIGURE 2 taken on lines 3—3 of FIGURE 2.

FIGURE 4 is a sectional plan taken on line 4—4 of FIGURE 5, showing the relative positions of the parts.

FIGURE 5 is a side elevational view of a triple unit showing sprays emanating from recirculating elements and swan heads.

FIGURE 6 is a side elevational view of a single unit of a spray element with the unit mounted on rollers to facilitate moving the unit from one location or room to

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another and which is a combination of a floor light, dispenser of beverages and fountain.

FIGURE 7 is a view showing a wiring diagram of a fountain in combination with a three-way switch including a light without pump, a pump without light and a pump and light in combination.

FIGURE 8 is a view showing a partial section of the cones and the impellers.

FIGURE 9 is a section through the Plexiglas tubes for mounting the tubes on the vertical standards.

Referring now to the drawings wherein like reference characters denote corresponding parts the display light fountain of this invention in its most simple form includes a pedestal 9 having an intermediate section 10 with a base 11, having a drain 12 therein. Above the section 10 is a basin 13 and in the basin is a screen 14 through which water passes through perforations 22 in a hub 16. The base 17 provides a tank 18 in which water or other liquid may be contained.

The intermediate section 10 is formed with a reduced portion 19, the upper end of which is provided with a bottom 20 of a basin 21 and the bottom 20 is provided with perforations 22. The upper peripheral edge of the basin 13 is formed with a skirt 23, and as shown in FIGURE 1, the basin 13 is positioned on the lower end of a frusto-conical shaped body or cone 24 in which four lights 25 are positioned. The rays of two of the lights projecting upwardly and two downwardly. The body or cone 24 which provides protection for the lights is closed at the upper end 49.

Above the basin 21, and in spaced relation thereto is a basin 26, having an upwardly disposed peripheral flange 27. Above the basin 26 and also in spaced relation thereto is an upper and smaller basin 28, and above the body 24 is an impeller 29, above which is a stationary cone 30 on the upper end of which are Plexiglas tube 32, the tube 31 being larger than the tube 32. In the return the water falls by gravity between tubes 31 and 32 forming an optical illusion. The water falls into the impeller 29 from cone 30. The impeller 29 is rotated by returned water by the blades 47. The tube 32 is mounted on the upper end of a vertically disposed pipe 72 which extends upwardly from the reservoir into an adapter 34 including the tubes 31 and 32 and a light socket 33. Loops 58 are plastic tubes to conceal electric wires 59.

The pedestal 9 on a fountain is provided with a float 70, an automatic valve 71, and a water supply pipe 38. The loss of water in the system due to evaporation, or the like, is compensated for by the automatic valve 71.

Water is supplied to the system through pipe 72 from the submerge pump 73.

In the design illustrated in FIGURE 6, water reservoirs or pedestals 35, similar to the pedestal 9 of FIGURE 1, are provided with casters 36 in a base flanger or skirt 37 and such casters provide means for rolling a fountain from one position or from one point to another.

In the design illustrated in FIGURE 2, a dual fountain or reservoir 75 is shown and in this unit legs, similar to the pedestals 9, shown in FIGURE 1, are connected by a rod 40, the ends of which are connected to transversely disposed frames of water return pipes 41 and 42, and upper ends of the frames are connected to hubs 43 and 44, similar to the hubs 16, whereas lower ends of the frames are connected to sections 10 of the pedestals at the points 45 and 46. The sections are preferably connected to the pedestals by fusing, or similar means. Between the frames 45 and 46 is a panel 50 on which rails or cleats for holding advertising matter 51 is provided. Water return pipes or spouts 54 and 55 lead from basins 78 and 79 to the frames 41 and 42, as shown in FIGURE 2, and by these return water spouts water is drained back into the tank.

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The twin fountain shown in FIGURE 2 is provided with pedestals 75 and 77 having water paddles or blades 60 suspended between discs 63 and the outer edges 61 of the discs are inclined as shown in FIGURE 3. The blades or paddles 60 extends from one frame to the other and the blades are so arranged that as the weight of water dropping into the paddles reaches a certain point the water travels downwardly causing the paddle wheels to rotate. The water continues into the trough 64 then into outlet 66 and leading into the tank.

In the modification shown in FIGURE 5, which is a combination of a fish aquarium and fountain, upper ends of the pedestals are provided with swan heads 57 or balls 56 or other animals, and the like, or ornaments, through which water is sprayed, the swan heads are positioned so that water discharged from the bill or beak of the swans drops into the center of the basins as shown in FIGURE 4.

In the wiring diagram shown in FIGURE 7 a three-way switch 80 is illustrated which provides the means for completing the circuit to the pump 73 as follows: light without the pump, pump without light and pump and light combined.

One fountain may be mounted independently, as shown in FIGURE 1, or three units may be combined, as shown in FIGURE 4, or any number of units may be combined to provide a dual or triple fountain as may be desired, and the units may be combined by any means desired.

This invention introducing a new high style series of irradiant decorator fountain designed and assembled by applicant, and self-contained, recirculating and relocatable, add a distinct note of beauty and charm to even the most distinguished areas, serving the some, lawn, patio, business institutions, and offices and being lovely to look at by day, and their glowing irradiance and gentle play of sparkling waters being superbly attractive at night.

The fountain are durable, being fabricated of tough polyester plastic so that rust and corrosion are never a problem, and each fountain of a series is provided with an independent built-in water reservoir and circulating pump. A fourteen gallon water reservoir provides automatic replacement for water loss due to evaporation, and each unit of the fountains is provided with interior lighting, and a three-way electric switch, or circuit with or without a pump and the individual units are referred to as "The Princess, Your Highness, The Prince, and the Fish Aquarium Fountain." The units are of different designs and sizes.

From the foregoing description, it is thought to be obvious that a decorator fountain constructed in accordance with this invention is particularly well adapted for use, by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that the invention is susceptible of some change and modification without departing from the principles

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and spirit thereof, and for this reason it is not desired to be limited to the precise arrangement and formation of the several parts herein shown in carrying out the invention in practice, except as claimed.

What is claimed is:

1. In a decorator fountain, the combination which comprises:

- (a) a hollow pedestal having a lower section providing an independent built-in water reservoir,
- (b) a pipe extended vertically through the pedestal,
- (c) a submerged pump which supplies water through said pipe,
- (d) a float for controlling the water level in said water reservoir,
- (e) means for actuating an automatic valve in said reservoir,
- (f) an upper frustoconical shaped body,
- (g) vertically spaced basins on said frustoconical shaped body,
- (h) an impeller mounted on the upper part of said body,
- (i) a stationary cone extended from the upper end of said impeller,
- (j) a smaller and a larger Plexiglas tube for the water which falls in return by gravity between said tubes, forming an optical illusion,
- (k) a plastic tube for concealing electric wires, and
- (l) lights on the upper part of the decorator fountain.

2. In a display fountain the combination which comprises, a plurality of pedestals, as described in claim 1, and means for retaining said pedestals in spaced relation.

3. In a decorator fountain the combination which comprises: a hollow cylindrical pedestal as described in claim 1, and a three-way switch for controlling electric circuits to the lights and pump.

4. A fountain as described in claim 1, in which the complete fountain is constructed entirely of clear fibre glass, fully transparent.

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EUGENE R. CAPOZIO, *Primary Examiner.*

R. CARTER, *Assistant Examiner.*

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40—106.22; 239—23