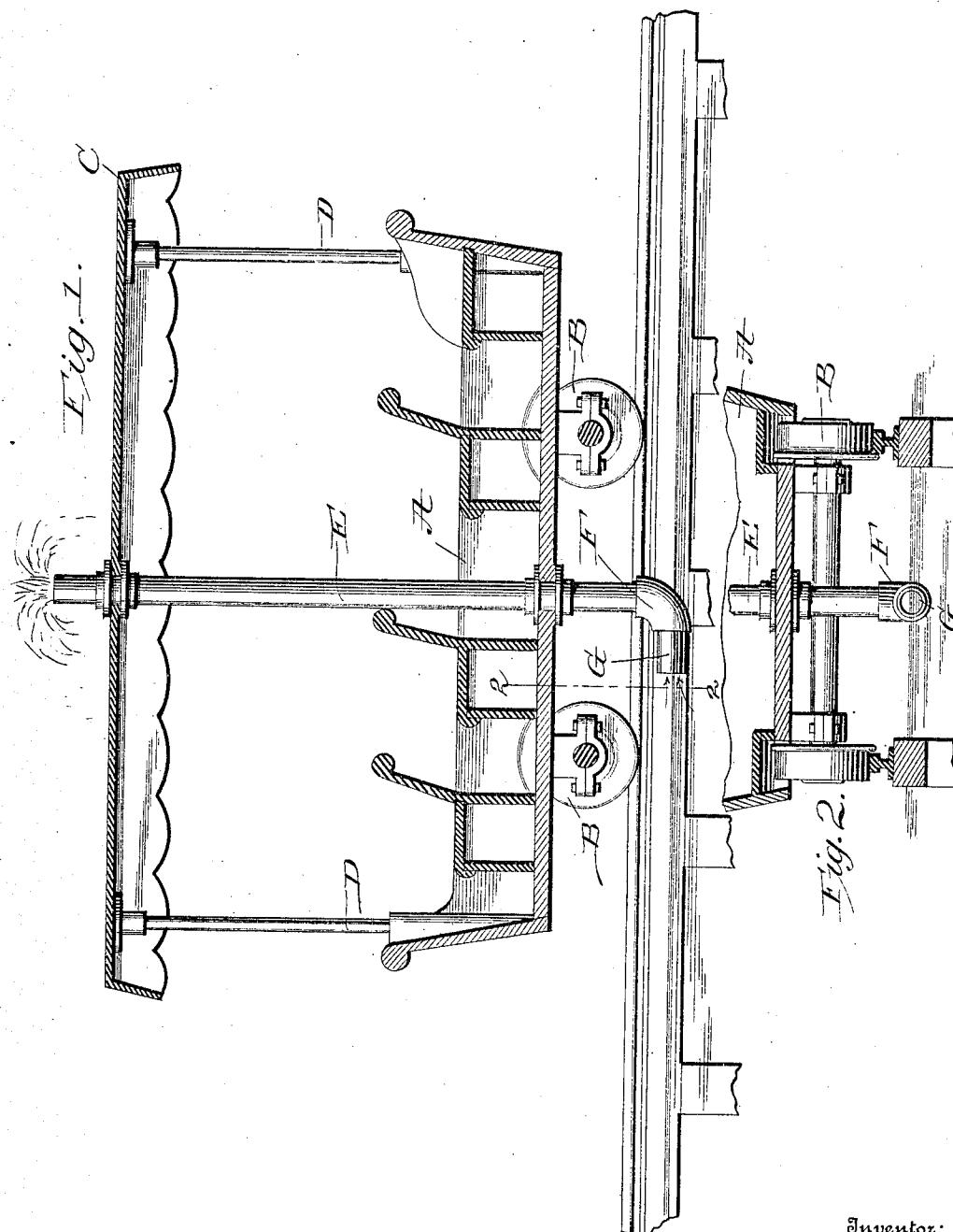


No. 871,643.

PATENTED NOV. 19, 1907.

L. D. SHAW,
PLEASURE RAILWAY.
APPLICATION FILED SEPT. 19, 1907.



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UNITED STATES PATENT OFFICE.

LORENZO D. SHAW, OF GLEN ECHO, MARYLAND.

PLEASURE-RAILWAY.

No. 871,643.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, LORENZO D. SHAW, a citizen of the United States, residing at Glen Echo, in the State of Maryland, have invented 5 certain new and useful Improvements in Pleasure-Railways, of which the following is a specification.

My present invention pertains to an improvement in pleasure railways, the construction and advantages of which will be hereinafter set forth reference being had to the annexed drawings, wherein:

Figure 1 is a longitudinal, vertical, sectional view of a car embodying my invention; 15 and Fig. 2, a transverse sectional view of the lower portion of the car on the line 2—2 of Fig. 1.

The object of the invention is to provide means for causing a stream of water to pass 20 from beneath the car upwardly to a point above the roof thereof where it will be thrown upwardly to a greater or less extent, and then break and shower down over the car.

The invention is especially applicable to 25 inclined railways, though it may, of course, be used on a car which is mechanically propelled. It is now quite common, especially with gravity railways, to permit the car to move down the incline, and into a body of 30 water at the lower end of the incline, the car apparently floating outward, but as a matter of fact passing along upon tracks or ways which stand approximately at the water level.

35 In the drawings A denotes the body of the car mounted upon suitable wheels B.

C denotes the top or cover of the car supported by suitable stanchions D, the cover extending outwardly beyond the edge 40 of the body of the car. Extending vertically through the car, preferably at midlength of the width thereof, is a pipe E, the upper portion of which terminates a slight distance above the top of cover C, the lower end of 45 the pipe projecting below the bottom of the car, and extending downwardly to a point which will coincide approximately with the water level of the lake into which the car is designed to pass.

50 An elbow F is secured to the lower end of

the pipe E, and a short forwardly extending pipe section G is secured to the opposite member of the elbow. The pipe may, of course, be formed of a single piece, and the lower forwardly projecting end be slightly 55 flared if so desired in order to gather in the water and force the same upwardly through the pipe as the car moves along the tracks.

In practice it has been found that the momentum of the car is sufficient to force the 60 water upwardly through the pipe E, and project it some distance above the roof where it will break into a shower or spray. Electric lights or colored lights may be thrown upon the spray and produce a pleas- 65 ing effect.

It is conceivable that more than one pipe may be employed, and that any form of spraying device or nozzle may be used upon the upper end of the pipe to produce varied 70 and fantastic effects.

Having thus described my invention, what I claim is:

1. The combination of a vehicle adapted to convey passengers and to pass over a body 75 of water; and a pipe carried by the vehicle, the lower end of the pipe extending downwardly so as to pass into the water while the upper end of the pipe terminates at a point above the roof or cover of the vehicle. 80

2. The combination of a vehicle adapted to transport passengers; and a vertically disposed pipe carried thereby, the upper end of the pipe extending through the roof of the vehicle and being open, the lower end of the 85 pipe extending down below the bottom of the car, and provided with a forwardly projecting mouthpiece whereby as the vehicle passes over a body of water the mouthpiece will gather the water and force the same upwardly through the pipe to a point above the roof of the vehicle. 90

3. The combination of an inclined track the lower end of which passes into a body of water, and extends therethrough adjacent to 95 its surface; a car adapted to transport passengers mounted on the tracks; and a vertically disposed pipe carried by the car, the upper end of the pipe extending through the cover or roof of the car and being open, the 100

lower end of the pipe extending down below the bottom of the car and provided with a mouthpiece, whereby as the car passes over the body of water the mouthpiece will gather 5 the water and force the same upwardly through the pipe to a point above the roof or cover of the car.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LORENZO D. SHAW.

Witnesses:

HORACE A. DODGE,
K. E. NEWHALL.