

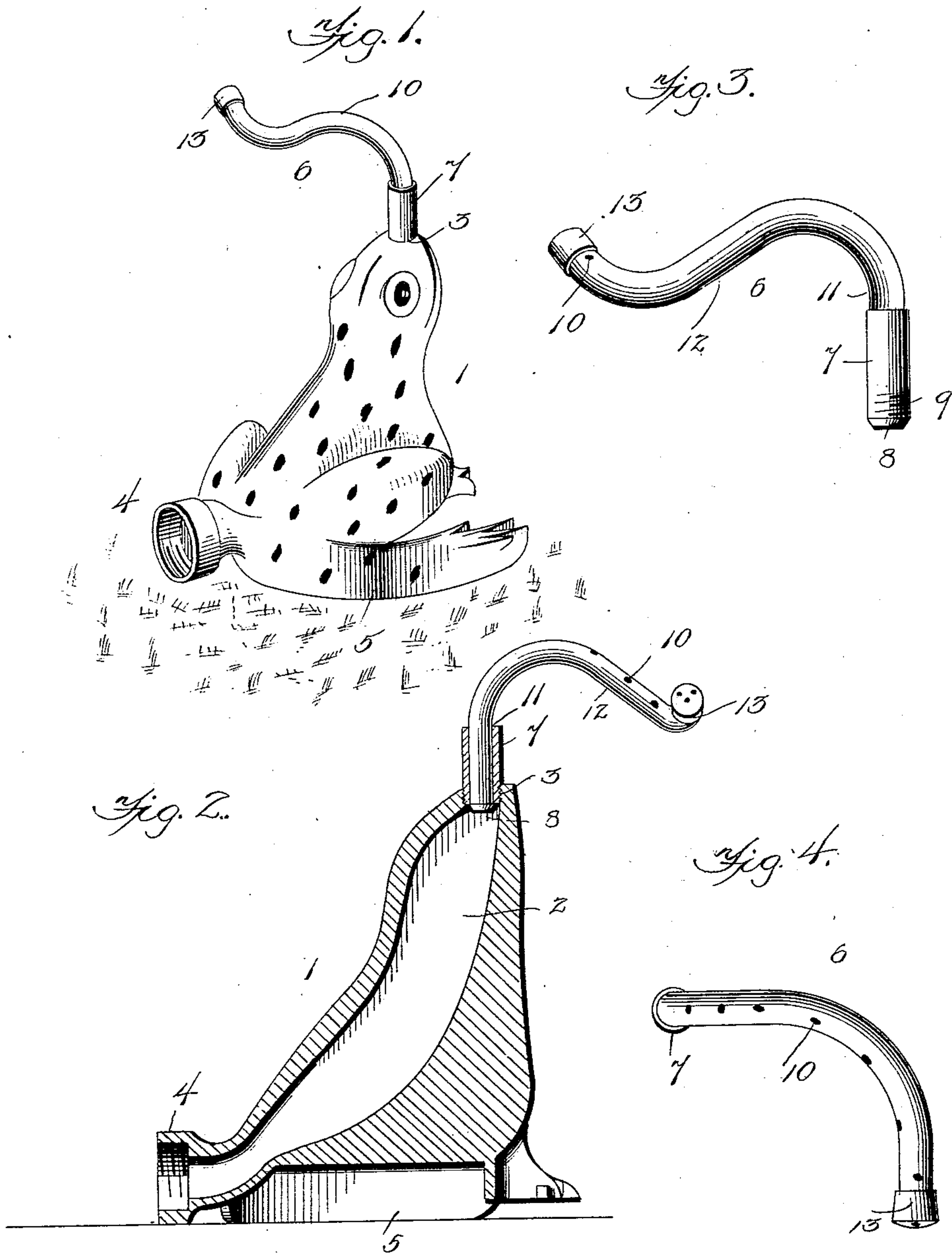
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Patented Dec. 25, 1900.

R. H. DENGLER.
LAWN SPRINKLER.

(Application filed Sept. 11, 1900.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

RULOFF H. DENGLER, OF DETROIT, MICHIGAN.

LAWN-SPRINKLER.

SPECIFICATION forming part of Letters Patent No. 664,730, dated December 25, 1900.

Application filed September 11, 1900. Serial No. 29,672. (No model.)

To all whom it may concern:

Be it known that I, RULOFF H. DENGLER, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Lawn-Sprinklers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in sprinklers of the revolving type for sprinkling lawns, terraces, bushes, and shrubbery.

The object of the invention is to provide a sprinkler which is simple in construction and in which the sprinkling-tube is so constructed as to operate with a minimum pressure of water and to distribute the water throughout a wide area.

With this and other minor objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a perspective view of a lawn-sprinkler embodying my invention. Fig. 2 is a vertical longitudinal section of the same. Fig. 3 is a side elevation of the revolving sprinkling-tube and thimble detached, and Fig. 4 is a top plan view of the same.

Like reference characters designate corresponding parts throughout the several views.

The numeral 1 in the drawings represents the base or body of the sprinkler, which may be of any preferred size and construction, but is here shown consisting of a casting shaped to imitate a frog having its head erect. Through this base or body extends a water-passage 2, which is threaded at its upper end where it opens through the head or mouth of the frog, as shown at 3, and communicates at its lower rear end with a coupling 4, to which the water-supply pipe or hose is designed to be connected. Flanges 5 are provided at the bottom of the base or body to support the same firmly upon the floor or ground.

The revolving sprinkling-tube 6 is journaled at its lower end in a thimble or sleeve 7, against which rests a fixed collar or shoulder 8 of tube 6, and said sleeve has a screw-threaded lower portion 9, which screws into the threaded outlet 3 of the passage 2. The

tube is provided throughout its entire length with outlet-orifices 10 and is straight and vertical between the shoulder 8 and point 11. Between this point 11 and the point 12, at or about the center of the tube, said tube curves down in the arc of a circle, and thence curves laterally and upwardly to its outer end, which may be closed, if desired, by a perforated cap 13. By this construction the weight of the tube is thrown mainly to the extreme outer end, rendering the tube easy to revolve and capable of revolving at a high rate of speed even under relatively low pressure.

The operation of the device will be readily understood from the foregoing description, taken in connection with the accompanying drawings, and it will be seen that a simple, cheap, and effective sprinkler of this type is provided.

Changes in the form, proportion, and minor details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A revolving sprinkler comprising, in combination, a body consisting of a casting shaped to represent an animal figure, said casting being provided on opposite sides with segmental flanges forming feet, and having a diagonal water-passage in communication at the rear and base portion with a coupling and opening at its upper end through the head of the figure, a comparatively short sleeve or thimble fitted in said upper end of the passage and projecting outwardly therefrom to form an extended bearing, and a sinuously-curved sprinkler-tube journaled to rotate in said sleeve, said tube being retained by its curvature from downward displacement in the sleeve, and being provided at its inner and lower end with a collar bearing against the under side of the sleeve to prevent upward and outward displacement of the tube, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

RULOFF H. DENGLER.

Witnesses:

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