Jan. 15, 1935. P. H. EIGHOLZ 1,987,999

SPRINKLER

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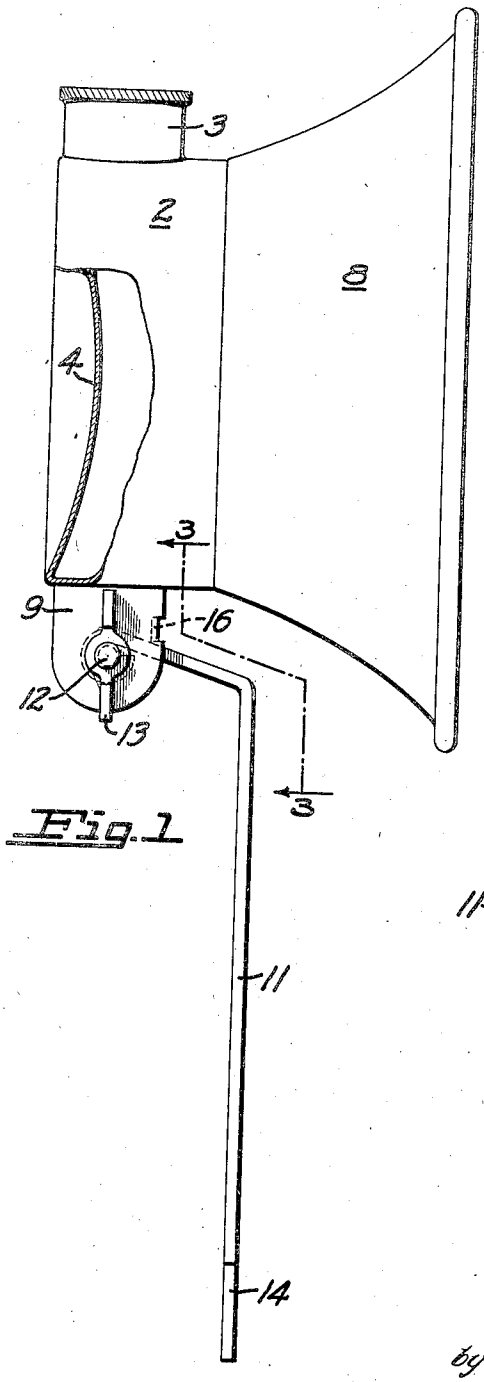


Fig. 1

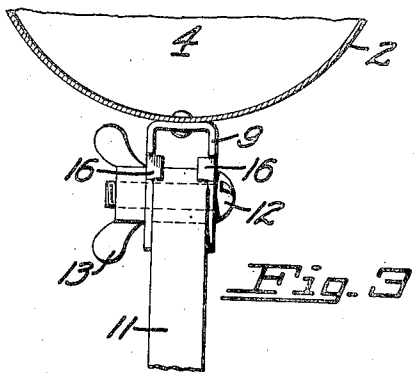


Fig. 3

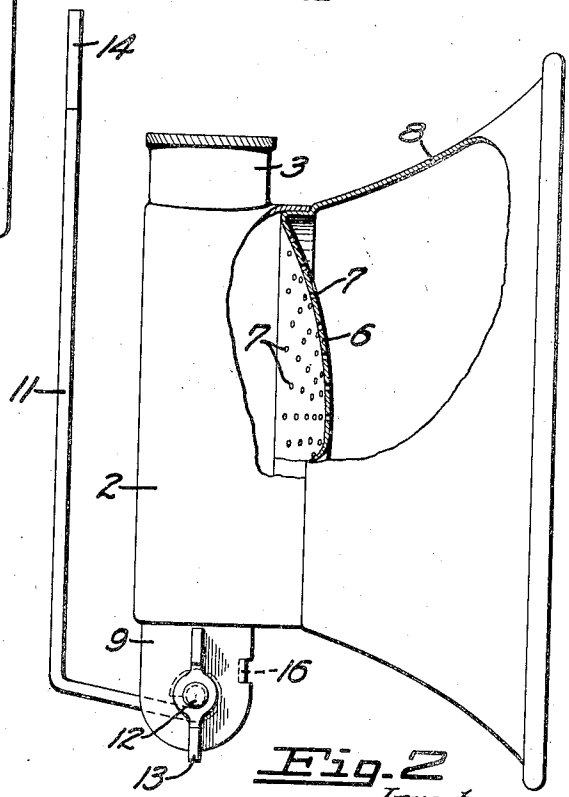


Fig. 2

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SPRINKLER

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4 Claims. (Cl. 299—73)

This invention relates to a sprinkler, and particularly to a water sprinkler adapted for use with an ordinary garden hose.

It is among the objects of the invention to provide a sprinkler having a baffle flange surrounding its sprinkling head, so that a person in directing water on objects at close hand will not be splashed.

Another object of the invention is to provide a sprinkler having a holder adapted for use as a ground engaging pin; the anchor pin being pivotally connected with the sprinkler chamber so that the latter may be adjusted to a selected position.

A further object of the invention includes the provision of a sprinkler having a holder movable from a collapsed position adjacent the sprinkler chamber to positions extending therefrom; the holder providing a handle for manual grasping in the collapsed position and a ground engaging anchor pin in the extended positions.

The invention possesses other objects and features of advantage, some of which, with the foregoing, will be set forth in the following description of the invention. It is to be understood that the invention is not limited to this disclosure of species, as variant embodiments thereof within the scope of the claims may be adopted.

Referring to the drawing:

Figure 1 is a side elevational view of the sprinkler embodying the invention, showing the holder in extended position for use as a ground engaging anchor pin. Portions of the sprinkler chamber are broken away to show the inward dishing of its rear wall; and

Figure 2 is a similar view showing the holder in retracted position to provide a handle for manual use. Portions of the sprinkler chamber and baffle flange are broken away to show the sprinkling head.

Figure 3 is a detailed vertical sectional view taken in a plane indicated by the line 3—3 of Figure 1, and shows the adjustable mounting for the holder.

In terms of broad inclusion, the sprinkler embodying the invention comprises a chamber having a sprinkling head. A baffle flange is secured to the chamber and is arranged to surround the head. This flange is preferably flared outwardly, and is provided for protecting a person against splashing when water is directed on an object at close hand. A holder is provided, and is preferably pivotally connected with the chamber so that it is movable from a collapsed position adjacent the rear of the chamber to positions extending downwardly therefrom; the holder thus providing a handle for manual grasping in the collapsed position and a ground engaging anchor pin in the extended positions. Means are also provided for clamping the chamber and holder together to hold the chamber in a selected position.

In the preferred form of the invention the sprinkler chamber is cylindrically shaped; one end wall of the chamber being dished inwardly to provide the back of the sprinkler, and the other end wall of the chamber being dished outwardly to provide a sprinkling head. A plurality of discharge orifices are formed in the head for discharging the water, and the baffle flange surrounding the head is preferably conically shaped.

In greater detail, the sprinkler embodying the invention comprises a water chamber 2 preferably of cylindrical shape and having a coupling boss 3 adapted to thread on the end of an ordinary garden hose. The rear wall 4 of the chamber is dished inwardly, as is best shown in Figure 1 of the drawing. This inward dishing of the rear wall is provided to give added strength to the sprinkler construction, and also to aid on the sprinkling action.

The forward wall of the chamber is dished outwardly, and provides the sprinkling head 6. A plurality of orifices 7 are preferably provided in the head for discharging the water from the chamber 2, and a baffle flange 8 is secured to the chamber so that it surrounds the sprinkling head 6. As shown in Figure 2, the flange 8 may conveniently be formed as an integral part of the head 6; this unit being seated in and suitably secured to the forward end of the chamber 2. The baffle flange 8 is flared outwardly and is preferably conically shaped. In using a sprinkler to direct the full force of water on objects at close hand, as is done when one wishes to wash off parasites from a shrub, the baffle flange 8 protects a person from being splashed with the water.

A holder is provided for the sprinkler, and means are preferably provided whereby the holder will serve either as a handle for manual grasping, or as a ground engaging anchor pin. A bracket 9 is secured to the water chamber 2 opposite the coupling boss 3, and an L-shaped holder 11 is pivotally held in the bracket by a screw 12 having a wing nut 13. By this arrangement the holder 11 may be moved from a collapsed position adjacent the rear of the chamber to positions extending downwardly therefrom.

In the collapsed position as shown in Figure 2 the holder 11 provides a handle for hand sprin-

kling. Carried in this manner the sprinkler may conveniently and readily be directed at will. In an extended position of the holder, as shown in Figure 1, the holder 11 provides a ground engaging anchor pin. To assist in forcing the pin into the ground the lower end 14 of the holder is preferably pointed. A pair of stops 16 formed in the bracket 9 are also preferably provided and serve to limit the outward movement of the holder 11.

When the holder 11 is used as an anchor pin it is to be noted that, after the pin is set in the ground, the sprinkler chamber may be adjusted to a selected position by merely loosening the wing nut 13. Once set the chamber may be clamped by tightening the nut. It is also to be noted that the sprinkler may be used as a freely resting one, that is, with its back or bottom end resting on the ground. In this case the holder 11 would be clamped in the extended position, in which position the holder would not interfere with the bottom end of the chamber 2 resting flatly on the ground.

In conclusion it is pointed out that the sprinkler embodying the invention may be used either as a hand sprinkler or as a ground engaging sprinkler; in the latter case the sprinkler being adapted for use either as a freely resting or as an anchored sprinkler. When used as a hand sprinkler the baffle flange 8 is an important feature, because it protects the person using the same from being splashed when water is being directed on objects at close hand. When used as an anchored sprinkler the adjustable mounting of the chamber 2 on the holder 11 is important, because it allows the chamber to be adjusted to a selected position.

The invention claimed is:

1. A sprinkler comprising a chambered body having a sprinkling head and a hose connection, a holder pivotally connected with the body and movable from a collapsed position extending across the rear of the body to positions extending downwardly therefrom, said holder providing a handle in the collapsed position and a ground engaging anchor pin in the extended positions, and means for clamping the body and holder together.

2. A combination hand and ground engaging sprinkler comprising a chambered body having a sprinkling head and a hose connection, a baffle flange secured to the body and surrounding said head, and a holder pivotally connected with the body and movable from a collapsed position extending across the rear of the body opposite the flange to positions extending from the body, said holder providing a handle in the collapsed position and a ground engaging anchor pin in the extended positions.

3. A sprinkler for use on a hose comprising a chambered body having a perforated sprinkling head in the front thereof and having a hose connection, a holder pivotally connected with the body and movable from a collapsed position extending across and adjacent to the back of the body to an extended position projecting from a side of the body, said holder when in collapsed position providing a handle for manually handling the sprinkler and when in extended position providing an anchor pin for insertion into the ground, and releasable means for clamping the body and holder in a desired relation.

4. A sprinkler for use on a hose comprising a chambered body having an open front and provided with a hose fitting connected to the side of the body, a sprinkler head seating upon the body to cover the open front thereof, a baffle flange surrounding the sprinkler head and flaring outwardly therefrom, and a holder pivotally connected with the body and movable from a collapsed position extending across the back of the body to extended positions projecting from a side of the body said holder providing a handle in the collapsed position and a ground engaging anchor in the extended positions.

GRACE M. EIGHOLZ,
Executrix of the Last Will and Testament of Paul H. Eigholz, Deceased.