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SPRINKLER

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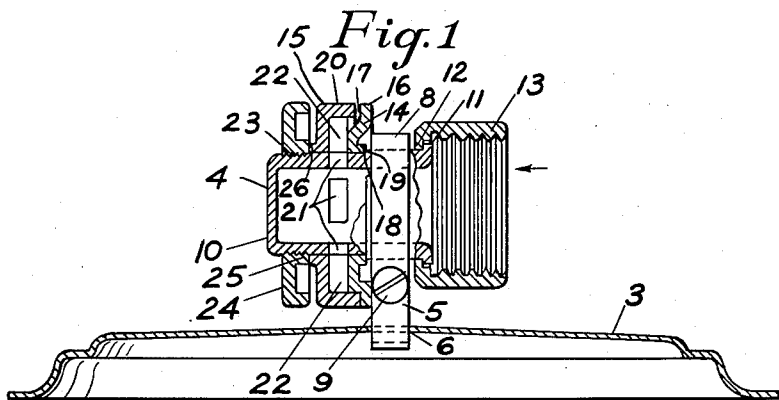
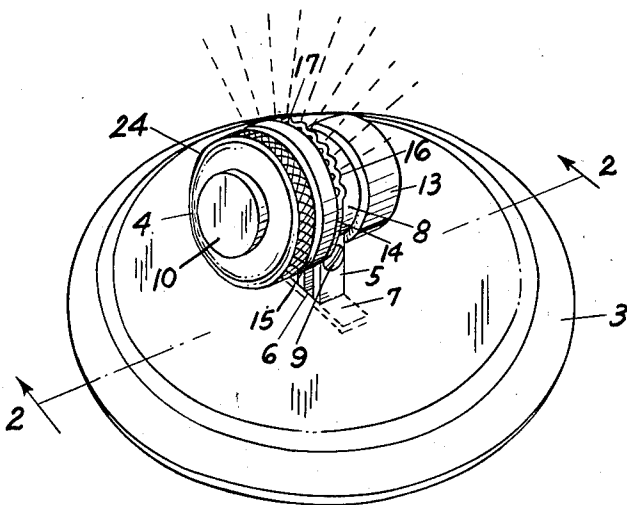


Fig. 2

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SPRINKLER

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4 Claims. (Cl. 299—57)

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This invention relates to lawn sprinklers, and has particular reference to a non-rotating type of sprinkler.

An object of the invention is to generally improve devices of the character indicated, and to provide a sprinkler which is simple in construction, economical to manufacture, and efficient in operation.

Another object of the invention is the provision of a stationary sprinkler which is adapted to be adjusted for fine or heavy spray, and one which may be adjusted into various discharge positions.

The foregoing and other objects and advantages of the invention will become more apparent as the description proceeds, reference being made from time to time to the accompanying drawings, forming part of the within disclosure, in which drawings:

Fig. 1 is a perspective view of the device embodying my invention.

Fig. 2 is a section taken substantially on the line 2—2 of Fig. 1.

Referring now more particularly to the drawings, it will be understood that in the embodiment herein disclosed, my improved sprinkler consists in general of a base 3 and a sprinkler head 4, which is mounted thereto as hereinafter described. The base 3 is preferably formed of a stamping, although it may be made of a casting or a suitable molded plastic material. The head 4 is mounted to the base 3 by means of a pair of L shaped brackets 5 which extend through an opening 6 formed in the base 3 and under the top of the base member 3 where they are secured by spot welding, as at 7.

A strap clamp 8 extends around the outer periphery of the head 4, and is adapted to be secured to the brackets 5 by the adjusting screw 9 which also serves as a pivot point for rocking the head in a vertical plane, so that various degrees of adjustment may be had to direct the discharge of the sprinkler at different angles.

The sprinkler head consists of a cup shaped member 10 which is provided at its open end with a flared rim 11 adapted to accommodate the shoulder 12 of the internally threaded nut 13, which is adapted to accommodate the end of a garden hose. Mounted for close fit about the outer periphery of the member 10 is a pair of washers 14 and 15, the respective washers having cross sectional configurations as shown in Fig. 2. The washer 14 is provided with a plurality of serrations 16 which define apertures 17 through which the water is discharged through the outer periphery of the head. The washer 14 is pro-

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vided with a shoulder 18 which engages a shoulder 19 formed on the outer periphery of the member 10 to serve as an abutment. The washer 15 has a flange 20 which is directed toward the washer 14, and helps to define one side of the apertures 17.

The member 10 is provided with substantially large cut-out portions 21 through which the water is discharged from the interior of the member 10 to the chamber 22 defined between the washers 14 and 15, and hence through the apertures 17. The member 10 is externally threaded, as at 23, to accommodate the knurled washer 24, the latter having a hub portion 25 adapted to engage a corresponding portion 26 formed on the washer 15. By outwardly adjusting the knurled washer 24 a greater degree of separation may be effected between the washers 14 and 15, thereby enlarging the apertures 17 to permit the discharge of a heavier spray.

The head 4 may be rocked about its longitudinal axis so that a still different direction of discharge may be effected, and as previously pointed out, the head 4 may be rocked on the pivot point 9 to elevate or depress the position of the discharge apertures 17.

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

1. In a device of the character described, a sprinkler head consisting of a cup-shaped member which is provided at one end with a flared rim adapted to accommodate the shoulder of an internally threaded nut, a pair of washers closely fitted about the outer periphery of said cup-shaped member, said washers having rearwardly directed portions at their outer peripheries, one of said washers having a plurality of serrations which define water discharge ports and a shoulder adapted to engage a shoulder formed on the outer periphery of the cup-shaped member to serve as an abutment, and openings in the wall of said cup-shaped member communicating with the space defined between said washers.

2. The structure defined in claim 1, in which said cup-shaped member is externally threaded near one end, there being a knurled nut arranged to engage said threads and abut one of said washers.

3. A sprinkler head comprising a cup-shaped member having a nut rotatably secured to its open end, external threads on said cup shaped member near the closed end thereof, a second nut rotatable on said threads, a pair of washers slidable on the outer periphery of said cup-shaped member, said washers having rearwardly directed

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peripheral elements thereon for spacing the same, cutout portions in the wall of said cup-shaped member in communication with the space between said washers, there being discharge ports between the outer portions of said washers, the said ports being adjustable by the slidable movement of one of said washers with respect to the other on said cup-shaped member, under the influence of the rotation of said second nut on the said external threads.

4. The structure defined in claim 3, including abutment members on the exterior of said cup-shaped member for limiting the movement of said washers.

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