April 22, 1952 J. ANGULO 2,593,517

ILLUMINATED SPRINKLER

Filed Dec. 17, 1948 2 SHEETS—SHEET 1

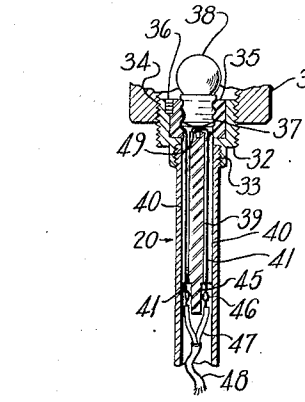


FIG. 4

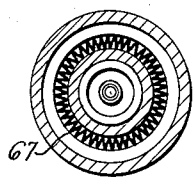


FIG. 2

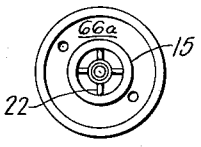


FIG. 3

FIG. 1

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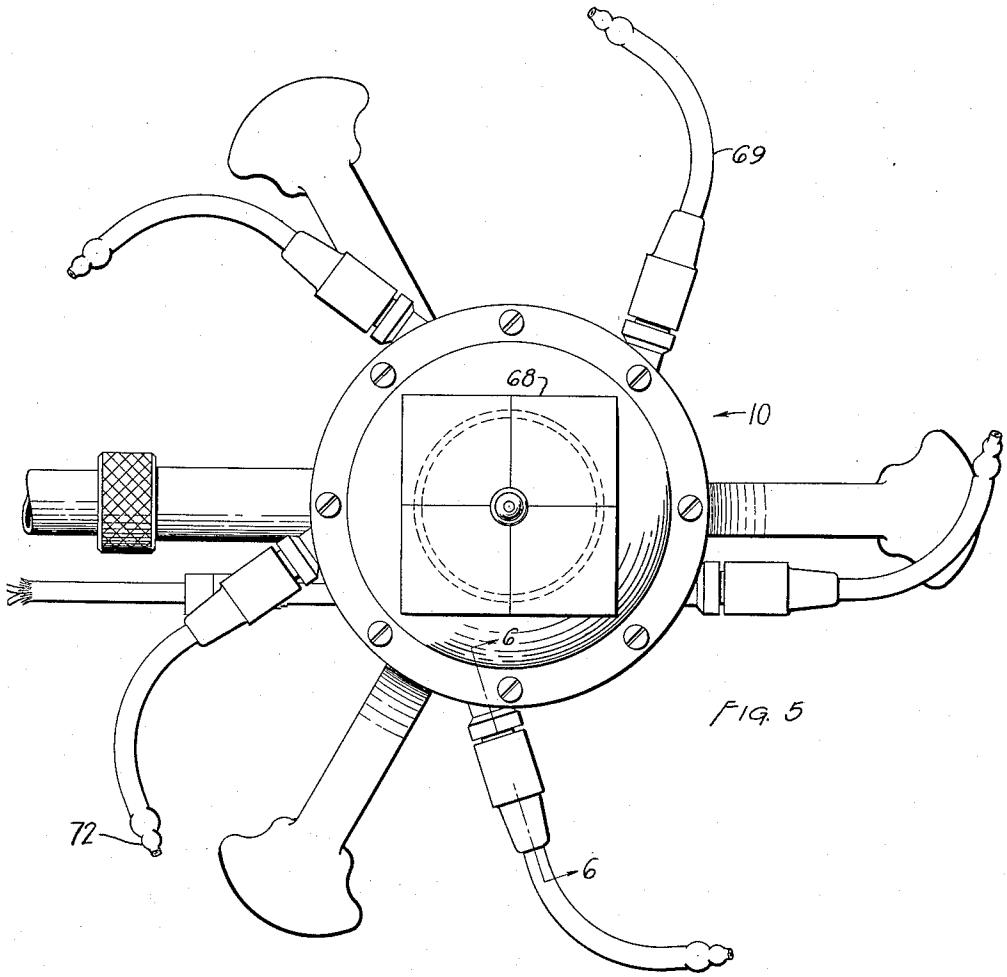


FIG. 5

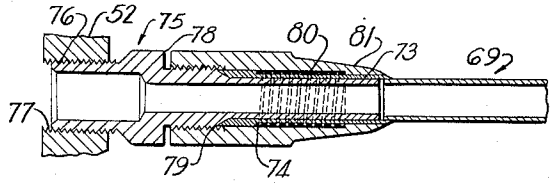


FIG. 6

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ILLUMINATED SPRINKLER

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3 Claims. (Cl. 299—4)

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This invention relates to a sprinkler, more particularly to a lawn sprinkler characterized by certain decorative and ornamental features.

It is an object of the present invention to provide a sprinkler which is adapted to sprinkle lawns or the like and which has ornamental value as well as utilitarian value as a sprinkler.

It is a further object of the invention to provide a lawn sprinkler or the like provided with means for producing a pleasant and decorative lighting effect.

These and other objects of the invention will be apparent from the ensuing description and the appended claims.

One form which the invention may assume is exemplified in the following description and illustrated by way of example in the accompanying drawings in which:

Fig. 1 is a view, partly in section and partly in elevation of the sprinkler of the invention.

Figs. 2 and 3 are sections taken along the lines 2—2 and 3—3 respectively of Fig. 1.

Fig. 4 is a vertical sectional view on a larger scale, taken along the line 4—4 of Fig. 1, showing certain details of construction.

Fig. 5 is a plan view of the sprinkler.

Fig. 6 is a section through one of the jet nozzles, taken along the line 6—6 of Fig. 5, showing the manner in which it is adjustably mounted on the sprinkler.

Referring now to the drawings, there is shown a sprinkler generally designated as 10, including a base 11 having legs 12 and a body portion 13. A tubular member 14 is also provided comprising an upper vertical portion 15 and a lower, right angular portion 16 which is in threaded engagement with the upper portion at 17. The tubular member 14 passes through the body portion 13 of the base and may be clamped in adjusted position by means of a set screw 18. A hose 19 may be coupled to the lower end of the tubular member 14, and a rigid conduit 20 is provided, such conduit passing upwardly through the tubular member 14. The conduit 20 is welded to the tubular member 14 at 21 and it is spaced and centered by means of fingers 22. A plug 27 is provided at the lower end of conduit 20 for coupling to an extension cord 28.

A bowl shaped reflector 30 is mounted at the upper end of the conduit 20 and is covered by means of a glass cover 31. As shown in Fig. 4, a metal coupling member 32 is in threaded engagement at 33 with the upper end of the conduit 20 and at 34 with the reflector 30. A Bakelite or other suitable non-conducting insert 35

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is provided, being keyed to the coupling member 32 at 36 and having a threaded socket 37 formed therein for reception of an incandescent globe 38. The Bakelite insert 35 is provided with a solid tail or extension 39 which is received within the conduit 20. The tail 39 is drilled longitudinally to provide separate, insulated passages 40 for reception of connecting leads 41. The lower ends of the leads 41 are spaced apart by a tongue 45 formed on the Bakelite insert, and the connecting leads 40 are soldered at 46 to the leads 47 of a cable 48, the other end of which is connected to the plug 27. The upper end of one of the connecting leads 40 is soldered to a contact button 49 and the other lead 40 is pressed against the threads of the socket 37.

It will thus be apparent that an easily assembled structure is provided for establishing electrical contact between the plug 27 and the electric globe 38, that the electric leads and the interior of the bowl 30 are sealed against access of water and that the leads and contacts are insulated from one another.

Referring again to Fig. 1, a revoluble casing 52 is provided on which a glass or transparent plastic dome 53 is mounted as by means of screws 54 and a clamping ring 55. The casing 52 is revolubly mounted upon the tubular member 14 in the following manner. An outer collar 61 secured to the bottom of the casing 52 by means of screws 62, is provided with an inside flange 63. Upon the collar 61 is seated an inner collar 64, which is supported by and is revoluble upon a flange 65 formed on the tubular member 14. A water-tight seal is provided by means of a gasket 66 pressed against the periphery of the tubular member 14 by means of a coil spring 67, and the assembled parts thus described are clamped in place by an externally threaded nut or washer 65a and an internally threaded nut 66a.

In its upper portion the dome 33 is provided with a tubular spike 67, as illustrated, and a decorative, multi-colored cap 68 is seated on the upper portion of the dome 33, being held in place by means of the spike 67.

Any desired number of jet arms 69 are provided, each jet arm comprising a tubular member 70 which is curved at 71 as illustrated. Each jet arm 69 is provided with a tip 72 and at its base 73 it is of larger outside diameter and is provided with a shoulder 74. A tubular connecting piece 75 is provided, being in threaded engagement at 76 with a radial opening 77 formed in the casing 52. The tubular connecting piece 65 is provided with a shoulder 78 and it is threaded at 79. The

outer end of each connecting piece **75** is slidably received within a jet arm **69**, and to secure these elements in place and to allow adjustment of the vertical pitch of the jet arm, an expansion spring **80** and threaded cap **81** are provided.

It will thus be seen that, by screwing a connecting piece **75** into a radial opening **77**, inserting the end of the connecting piece in a jet arm **69**, and screwing the cap **81** inwardly against the compression of spring **80**, the jet arm **69** will be firmly locked in place. The pitch of the jet arm is readily adjusted merely by turning it manually

It will thus be apparent that a sprinkler is provided which is simple in design and dependable in operation and which provides a pleasing lighting effect. The lighting unit is effectively sealed from the water and is non-rotatable. The jet arms are adjustable to throw the water at any desired angle above or below the horizontal plane. Thus, the sprinkler of my invention combines features contributing to mechanical efficiency and an ornamental, pleasing visual effect.

While I have shown the preferred form of my invention, it is to be understood that various changes may be made in its construction by those skilled in the art without departing from the spirit of the invention as defined in the appended claims.

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

1. A sprinkler comprising, a base, a first tubular supporting member extending upwardly from said base, a housing rotatably mounted on said first tubular supporting member and including a translucent portion through which light may pass, a stationary lamp within the housing, a second tubular supporting member disposed within, fixed to and supported by said first tubular supporting member and having the lamp mounted on the upper end thereof and having its lower end passing through the wall of said first tubular supporting member, means for connecting a water supply conduit to said first tubular supporting member, and electric leads within the second tubular supporting member and connected at one set of ends to the lamp and at the other set of ends to a plug on the lower end of said second tubular supporting member.

2. A sprinkler comprising, a base, a first tubular supporting member extending upwardly from said base, a housing rotatably mounted on said first tubular supporting member and including a translucent portion through which light may pass, a stationary lamp within the housing, a second tubular supporting member within the first tubular supporting member and having the lamp mounted on the upper end thereof, means fixedly connecting the tubular supporting members together, means for connecting a water supply conduit to said first tubular supporting member, and electric leads within the second tubular supporting member and connected to the lamp for supplying the same with current.

3. A sprinkler comprising, a base, a first tubular supporting member extending upwardly from said base, a housing rotatably mounted on said first tubular supporting member and including a translucent portion through which light may pass, a stationary lamp within the housing, a second tubular supporting member within the first tubular supporting member having the lamp mounted on its upper end and having its lower end secured to and passing through the wall of the first tubular supporting member, means connecting a water supply conduit to said first tubular supporting member, and electric leads within the second tubular supporting member connected to the lamp for supplying the same with current.

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