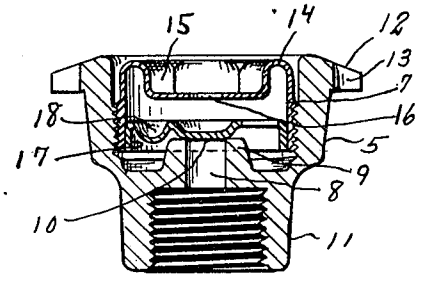
W. VAN E. THOMPSON.

SPRINKLER.

APPLICATION FILED FEB. 21, 1916.

1,289,962. Patented Dec. 31, 1918.

Fig. 1.



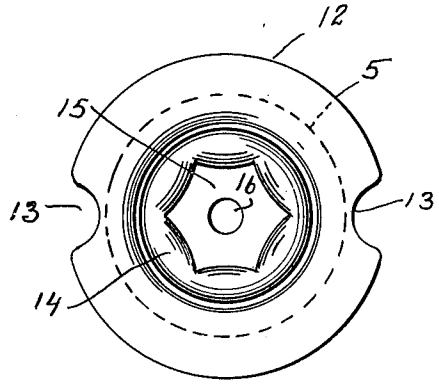


Fig 2.

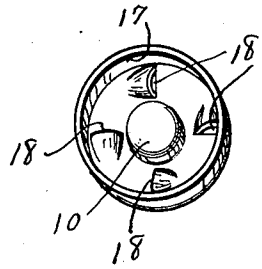


Fig. 3.

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SPRINKLER.

1,289,962. Specification of Letters Patent. Patented Dec. 31, 1918.

Application filed February 21, 1916. Serial No. 79,572.

To all whom it may concern:

Be it known that I, WALTER VAN E. THOMPSON, a citizen of the United States, residing at the city of Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Sprinklers, of which the following is a specification.

My invention relates primarily to a lawn sprinkler used in a lawn sprinkling system and the object thereof is to provide a sprinkler which can be regulated to discharge a greater or lesser quantity of water and which can be easily closed.

A further object is to provide a sprinkler of simple construction which can be easily and quickly cleaned in case vegetable or other matter becomes lodged in the parts thereof.

In the drawings forming a part of this application:

Figure 1 is a central vertical section of my sprinkler.

Fig. 2 is a top plan of my sprinkler.

Fig. 3 is a bottom perspective of the bottom plate of the spray chamber.

My improved sprinkler comprises a chambered head 5 which is internally screw threaded for the reception of the externally screw threaded side walls 7 of the spray member. In the bottom of head 5 is a circular port 8 which is preferably surrounded by a boss 9 which forms a valve seat for the valve 10, which valve forms a portion of the bottom of the casing forming the spray member. Head 5 is provided with an internally threaded neck 11 which screws upon the irrigating pipe (not shown) when the sprinkler is positioned for use. Head 5 has a flange 12 around the top thereof which has two notches 13 therein, which notches are for the reception of a wrench for screwing the head on or off the irrigating pipe. The spray member is formed of a cup shaped upper member, the top portion 14 of which is centrally depressed to form a socket 15 for a wrench by means of which the position of the member is changed as desired. In the center of the socket is an outlet port 16. The bottom of the spray member is formed of a suitable plate which is provided with an exterior flange 17. This bottom plate has the center portion pressed downwardly to form a valve 10 which will seat on boss 9 and close port 8 when desired. Around valve 10 in the bottom plate are one or more inlet ports 18 which are tangential to the side walls of the spray member. I prefer to make the head 5 of a zinc composition metal and the spray member of heavy brass plate. The bottom plate of the spray member is pressed into the bottom of the cup shaped top member with sufficient frictional engagement to hold the parts together.

In use the heads are screwed upon the irrigating pipe so as to be flush with the lawn to be sprinkled. The spray members are screwed into the heads in the position that will furnish from each spray member the amount of water desired from each.

From the foregoing description it will be seen that I have provided a simple and efficient sprinkler which can be easily and quickly regulated to throw a greater or less quantity of water or in which the flow of water can be entirely cut off. By making spray members with different sized outlet ports the capacity of the sprinkler can be changed at any time by substituting a spray member of one sized outlet port for that of another sized outlet port.

I have found in practice that a spray member with a one and one-fourth inch inside diameter with an outlet port one-fourth inch in diameter with a bottom plate having four semi-circular tangential inlet ports, and the bottom plate one-fourth of an inch distant from the depressed portion of the top member and a five-sixteenths inch port in the head produces very satisfactory results. These proportions can be changed without departing from the spirit of my invention.

Having described my invention what I claim is:

1. A sprinkler comprising a chambered head having a port in the bottom wall thereof; in combination with a spray member mounted in said head, said member having an outlet port in the top thereof and inlet ports in the bottom thereof and being adjustable to regulate or cut off the flow of water through the port in the head.

2. A sprinkler comprising a chambered head having a port in the bottom wall and the side walls interiorly threaded; a boss on said bottom wall surrounding said port; an interiorly threaded neck on said head; in combination with a cup shaped member having the side walls exteriorly threaded to engage said interiorly threaded portion of said head and the central portion of the top thereof depressed to form a socket, said top hav-

ing a central outlet port; and a bottom plate forming a closure for said cup shaped member, said bottom plate having a depressed central portion forming a valve to seat on said boss; and a plurality of tangential inlet ports around said depressed portion.

In witness that I claim the foregoing I have hereunto subscribed my name.

WALTER VAN E. THOMPSON.

Witnesses:

G. E. HARPHAM,

FRANK WATERFIELD.