

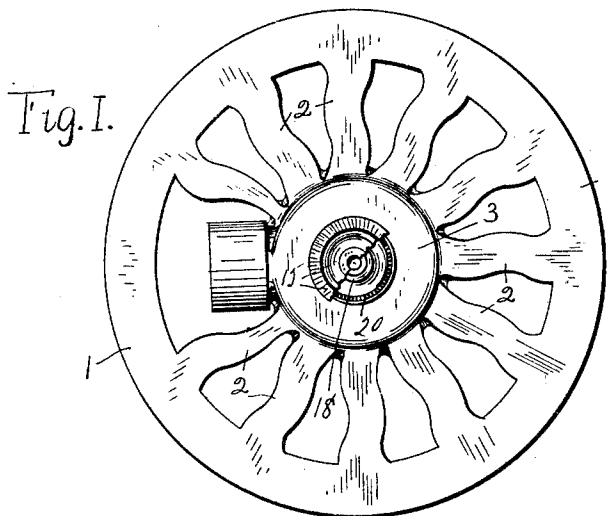
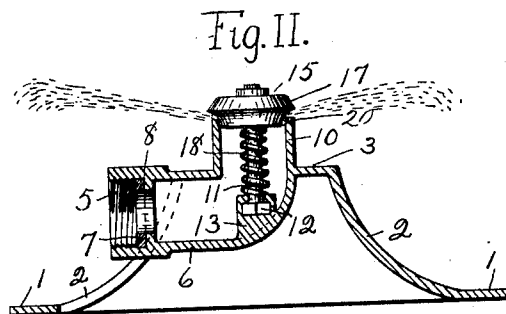
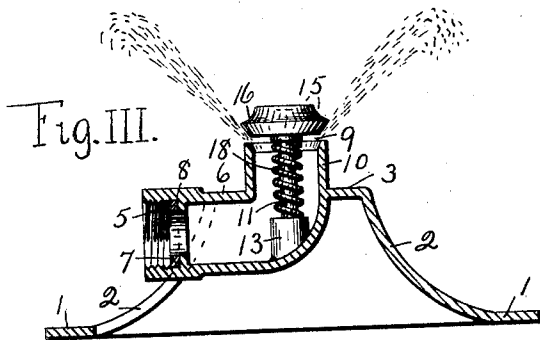
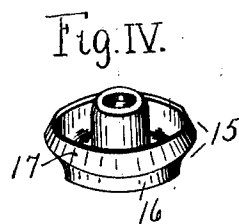
No. 675,672.

Patented June 4, 1901.

W. M. POTTER.
SPRINKLER.

(Application filed Nov. 17, 1900.)

(No Model.)



WITNESSES:
C. L. Schornack
E. L. Darling

INVENTOR
Wm M Potter
BY
Alfred Wilkinson
ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM M. POTTER, OF SYRACUSE, NEW YORK, ASSIGNOR TO E. C. STEARNS & CO., OF SAME PLACE.

SPRINKLER.

SPECIFICATION forming part of Letters Patent No. 675,672, dated June 4, 1901.

Application filed November 17, 1900. Serial No. 36,797. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM M. POTTER, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Sprinklers, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to a simple, strong, and economical sprinkler for lawns and gardens in which the amount and direction of the water delivered may be easily regulated.

This sprinkler consists, essentially, of a single piece cheaply cast or otherwise formed of metal having a supporting-base, a conduit bent substantially at right angles with a thread or other means of connecting the hose to the horizontal portion, and concentrically arranged in the vertical portion a threaded bolt, to which is adjustably fitted the deflector fitting the outlet. This may be screwed down more or less, leaving a wider opening to permit the passage of the water or a smaller for the passage of less in a fine stream or spray. This deflector is reversible to change the direction of the water, being formed on one edge with a beveled margin, which spreads the water to a limited extent only from the perpendicular when arranged below, and on the other edge formed with a concave curve to deflect the water as far as possible in a horizontal direction. A spring is added to prevent the loosening and rotation of the deflector by the impact of the water.

My invention will be understood by reference to the accompanying drawings, in which the same reference-numerals indicate the same parts in all the figures.

Figure I is a top plan view of my invention, a portion being broken away. Fig. II is a vertical section showing the deflector in one position. Fig. III is a similar section showing the deflector reversed. Fig. IV is an isometric view of the deflector substantially full size.

In the figures, 1 indicates the annular base, connected by ribs 2 2 to the slightly-elevated standard 3, with which is formed integrally the pipe, bent substantially at right angles and provided with a thread 5 in the horizon-

tal portion for the adjustment of the hose, 7 being a rubber gasket to make a tight joint. At 8 the pipe is curved to guide the water to the mouth 9 of the vertical portion 10 of the conduit. In this vertical portion is centrally arranged the threaded bolt 11, arranged and secured in place when the device is cast. For this purpose it is preferably provided with a head 12, inclosed in an integral lug 13. To this bolt, which extends slightly above the mouth of the pipe, is fitted the reversible deflector 15, adapted to be vertically adjusted on the bolt to vary its distance on the pipe and form the passage of a greater amount of water in a coarser or finer stream. This deflector has one edge formed with a concave curve 16 to deflect the stream in substantially a horizontal position, as shown in Fig. II, and on the other edge is formed with a beveled margin 17 to guide the water in an inclined direction, as best shown in Fig. III.

18 is the spring, strung on the bolt and bearing against the deflector to counteract movement thereof by the stream. The edge 20 of the outlet may be beveled to correspond to the deflector edge.

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

1. The combination in a sprinkler of a base, a pipe bent substantially at right angles supported on the base having a vertically-arranged portion, a threaded bolt concentrically arranged in said vertical portion, a reversible deflector fitted to said bolt and vertically adjustable thereto in relation to the mouth of the vertical portion of the pipe, and a spiral spring arranged on the bolt beneath the deflector and engaging with the latter to prevent accidental rotation.

2. In combination in a sprinkler, a base, a pipe integral therewith and bent at right angles from a horizontal to a vertical direction, a threaded bolt centrally arranged in the vertical portion of the pipe and secured in position by its head molded in the metal of the base, and a deflector fitted to said bolt and vertically adjustable thereon in relation to the mouth of the vertical portion of the pipe to permit more or less water to pass.

3. In combination in a sprinkler, a base, a
pipe supported thereon forming a conduit
from the inlet to the outlet, and a reversible
deflector adjustably supported adjacent to
5 the outlet, said deflector being formed with
one inclined annular edge and with one con-
cavely-curved annular edge.

In testimony whereof I have hereunto
signed my name.

WILLIAM M. POTTER. [L. S.]

Witnesses:

C. C. SCHOENECK,
E. L. DARLING.