No. 673,362. Patented Apr. 30, 1901.

A. HILL.

LAWN SPRINKLER.

(Application filed June 12, 1900.)

(No Model.)

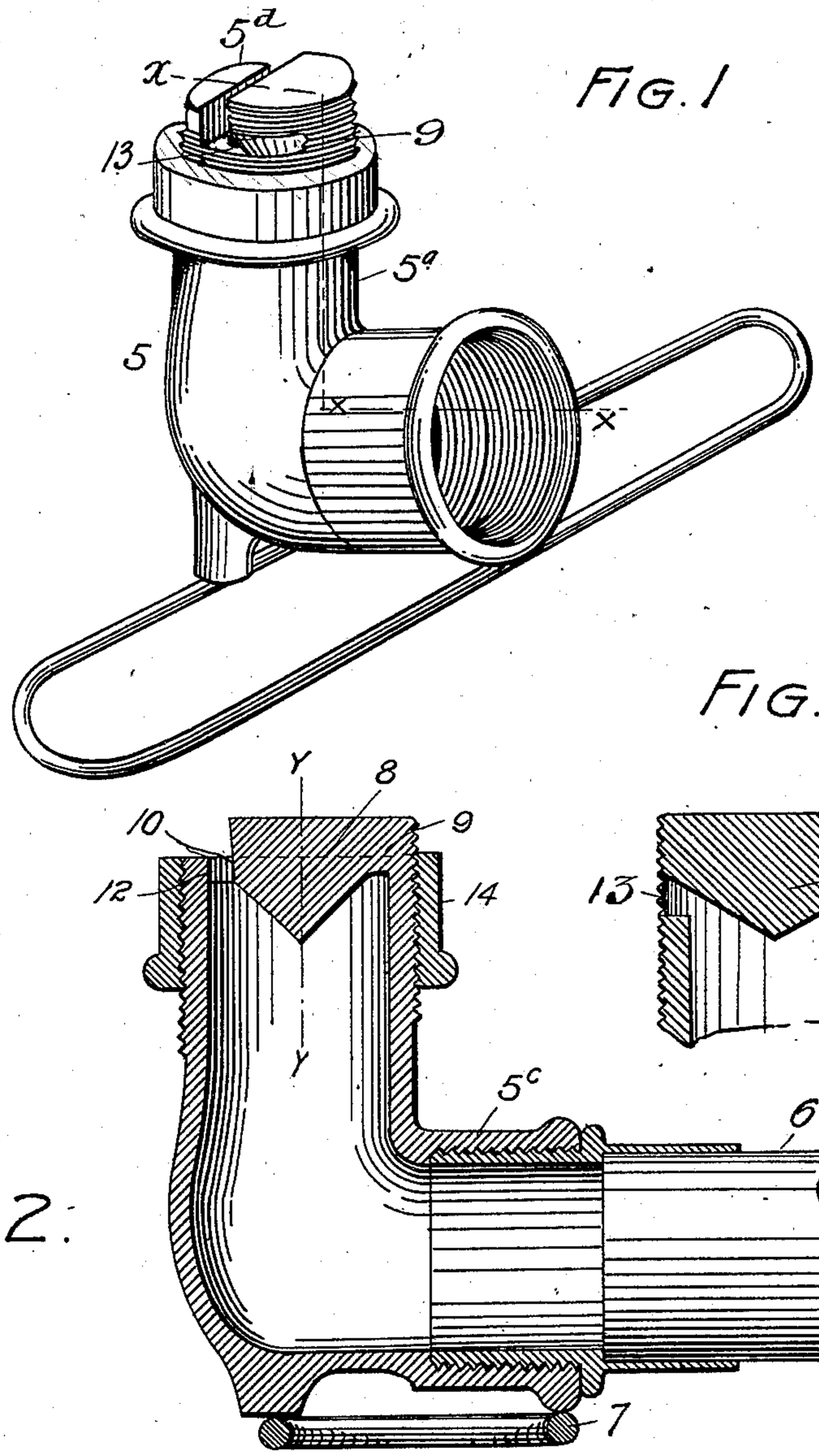

FIG. 1

FIG. 3

FIG. 2.

WITNESSES:

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ALFRED HILL, OF DENVER, COLORADO, ASSIGNOR OF ONE-HALF TO LOUIS E. P. WILKES, OF SAME PLACE.

LAWN-SPRINKLER.

SPECIFICATION forming part of Letters Patent No. 673,362, dated April 30, 1901.

Application filed June 12, 1900. Serial No. 20,073. (No model.)

To all whom it may concern:

Be it known that I, ALFRED HILL, a citizen of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Lawn-Sprinklers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in lawn-sprinklers, my object being to provide a device of this class specially adapted to sprinkle a narrow strip of ground, as the outlot beyond the sidewalk in cities, without throwing water on the walk; and to this end the invention consists of the features hereinafter described and claimed, all of which will be fully understood by reference to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a perspective view of my improved device. Fig. 2 is a section taken on the line X X, Fig. 1. Fig. 3 is a section taken on the line Y Y, Fig. 2.

The same reference characters indicate the same parts in all the views.

Let the numeral 5 designate the body of the device, which consists of an upright part 5^a and a horizontal part 5^c, containing an interiorly-threaded socket adapted to receive the male coupling part of the hose 6.

The device is mounted on a suitable base 7, adapted to hold it in the normal position during use. The base, as shown in the drawings, consists of a wire loop fastened to the body of the device and projecting on opposite sides sufficiently to give it a stable support.

The upper or nozzle extremity of the part 5^a is provided with a spraying-cone 8, which, as shown in the drawings, is formed integral with the nozzle and closes its opening on one side, as shown at 9. The cone may, however, be formed separate from the nozzle and soldered thereto or otherwise attached, as may be desired or as mechanical skill may suggest. The issuing waterway is preferably closed on the side toward the hose-socket to permit approach on the dry side when it is desired to change the position of the sprayer.

Opposite the rear or closed side of the nozzle the spray-cone is provided with a plain face 10, slightly beveled, as shown, to overcome any tendency on the part of the water to pass rearwardly or toward the part 9. This face 10 may be formed by cutting a segment from the cone on the front side, whereby a waterway 12 is left directly opposite the closed part 9. Between the waterway 12 and the closed part 9 two side ports or openings 13 are formed to allow the water to issue in opposite directions, whereby the long and relatively narrow portion of ground may be sprinkled. The ports 13 extend downwardly from the top of the nozzle. The quantity of water issuing from the side ports of the nozzle may be regulated and controlled by a sleeve 14, which is interiorly threaded to engage exterior threads formed on the nozzle. By turning this sleeve it may be moved up and down, whereby the flow of water is increased or diminished, as desired.

In using the device it is placed with the rear or closed part 9 next to the walk, whereby the outlot or strip may be sprinkled, while the walk remains perfectly dry. In front of the waterway 12 a lip 5^d is formed on the nozzle of less height than the top of the spraying-cone. This lip gives the water an upward tendency, but prevents it from being thrown too far forwardly.

Having thus described my invention, what I claim is—

1. A lawn-sprinkler having an upwardly-projecting nozzle provided with a spraying device located above the main waterway and connected with the nozzle to cut off the escape of water from the rear, the nozzle having two side ports, and a waterway in front of the spraying device, and a lip in front of said waterway.

2. A lawn-sprinkler comprising an upwardly-projecting nozzle, having a spraying device located above the main waterway and connected with the nozzle to cut off the escape of water in the rear, two oppositely-located side ports, formed between the front and rear of the nozzle, the spraying device being cut away in front to form a waterway communicating at its extremities with the side ports.

3. A lawn-sprinkler comprising an upwardly-projecting nozzle having a spraying device located above the main waterway and connected with the nozzle to cut off the escape of water in the rear, two oppositely-located side ports formed between the front and rear of the nozzle, the spraying device being cut away in front to form a forwardly-beveled face located in the rear of the front waterway.

4. A lawn-sprinkler comprising an upwardly-projecting nozzle having openings extending downwardly from the top of the nozzle on two opposite sides, a spray-cone secured to one side of the nozzle whereby the issuing of water from that side is cut off, and a vertically-adjustable sleeve mounted on the nozzle to regulate the flow of water from the side ports.

5. A lawn-sprinkler comprising an upwardly-projecting nozzle having a spraying device located above the main waterway and connected with the nozzle to cut off the escape of water in the rear, two oppositely-located side ports formed between the front and rear of the nozzle, the spraying device being cut away in front to form a waterway, communicating at its extremities with the side ports, a lip being formed on the nozzle in front of said waterway of less height than the spraying device.

In testimony whereof I affix my signature in presence of two witnesses.

ALFRED HILL.

Witnesses:
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A. J. O'BRIEN.