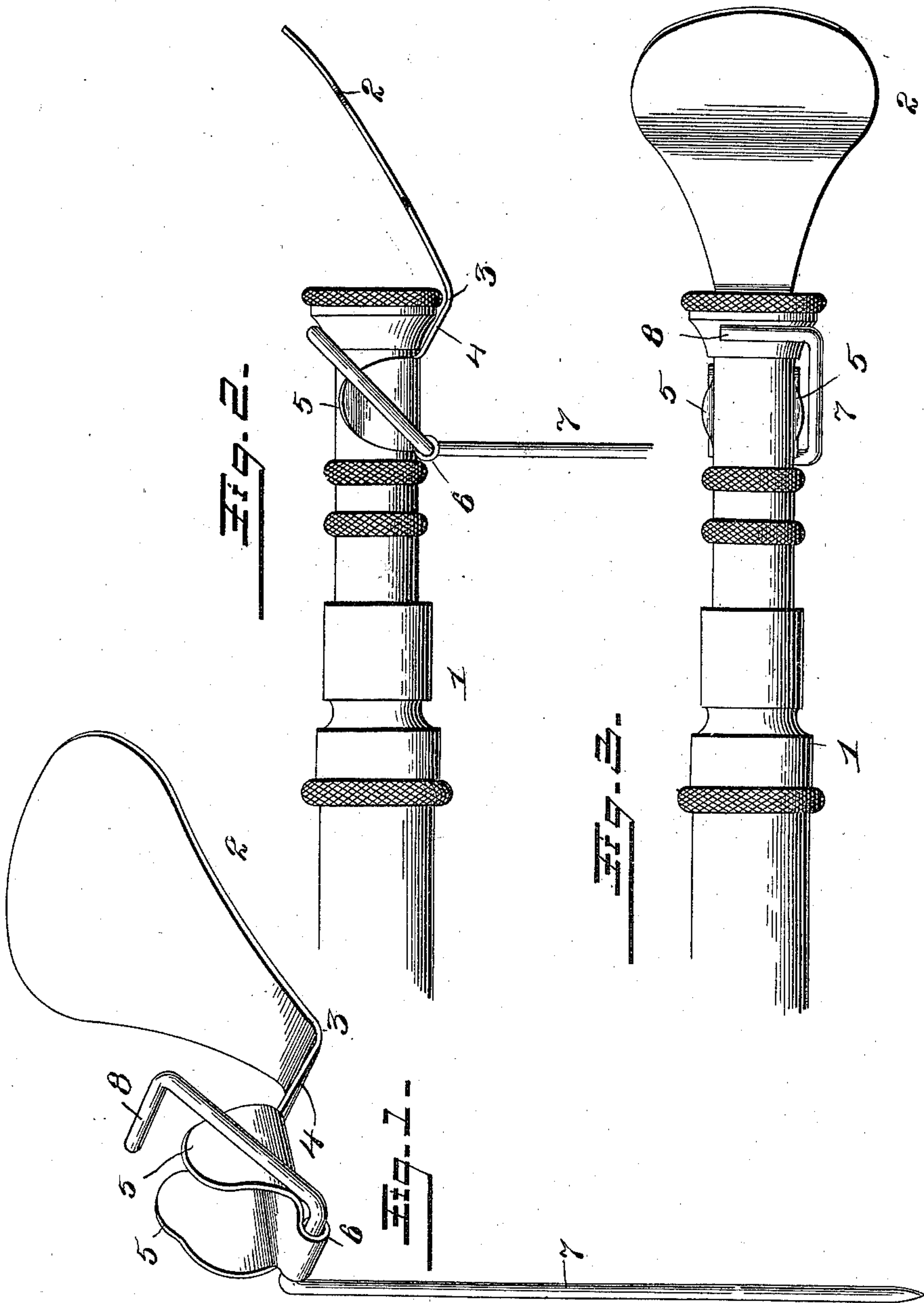


(No Model.)

F. L. SCHILD.
SPRINKLING DEVICE.

No. 561,286.

Patented June 2, 1896.



Inventor
Frank L. Schild,

Witnesses

W. J. Noerth.
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By his Attorneys,

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UNITED STATES PATENT OFFICE.

FRANK L. SCHILD, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR OF TWO-THIRDS TO CHARLES C. SCHILD AND PETER J. SCHILD, OF IONIA, MICHIGAN.

SPRINKLING DEVICE.

SPECIFICATION forming part of Letters Patent No. 561,286, dated June 2, 1896.

Application filed September 19, 1895. Serial No. 563,029. (No model.)

To all whom it may concern:

Be it known that I, FRANK L. SCHILD, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented a new and useful Sprinkling Device, of which the following is a specification.

This invention relates to an improvement in sprinkling devices and is in the nature of an attachment to spray-nozzles.

The object of the present invention is to provide a simple and inexpensive deflector which may be made from a single piece of sheet metal and comprises integral means for clamping a spray-nozzle so that it may be readily applied to or removed from said nozzle.

The invention also contemplates the use in connection with such deflector of a supporting-standard connected therewith and adapted to uphold the nozzle of a hose at the desired elevation from the ground and at the required angle.

With the above objects in view the invention consists in an attachment for spray-nozzles embodying certain novel features and details of construction and arrangement of parts, as hereinafter specifically pointed out, illustrated in the drawings, and finally incorporated in the claims hereto appended.

In the accompanying drawings, Figure 1 is a perspective view of the improved attachment complete and constructed in accordance with this invention. Fig. 2 is a side elevation showing the same applied to and supporting a spray-nozzle. Fig. 3 is a plan view of the same.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

Referring to the accompanying drawings, 1 designates a spray-nozzle of any ordinary construction to which it is desired to apply the improved attachment.

2 indicates a sheet-metal deflector, which is substantially pear-shaped or with that portion most remote from the discharge-opening of the nozzle expanded in width for the purpose of acting upon the projected stream of water and spreading the same. This deflector gradually decreases in width as it ap-

proaches the mouth of the nozzle and also declines toward the same and is bent at the point 3 to pass beneath the flaring mouth of the nozzle, being formed in the rear of such bend with an upwardly-inclining neck 4. Adjacent to such neck and arranged upon opposite sides thereof are two upwardly-extending spring-clasps or clip portions 5, which are given a slight curvature, which will adapt them to snap over and closely embrace the body of the spray-nozzle 1. The central portion of the deflector, or, more properly speaking, the neck thereof, is extended rearwardly and bent to form a bearing eye or loop 6 for the reception of a supporting-standard.

The supporting-standard (indicated at 7) comprises a vertical portion or standard proper, the lower end of which may be pointed to facilitate its insertion in the ground. This standard may be of any desired length, and at its upper end is given a right-angled bend to form a horizontal bearing portion, which passes through the eye 6 of the deflector, where it is given another right-angled bend and inclined upwardly and forwardly outside of the adjacent clasp or clip portion 4, the terminal of the standard being finally given another bend to form a horizontal stop-arm 8, which is adapted to rest above and extend over the front end of the spray-nozzle for holding the latter at the proper angle with relation to the deflector.

The attachment hereinabove described is very simple and inexpensive in construction, may be manufactured in a variety of sizes, and may be readily applied to and removed from any ordinary spray-nozzle. Any desired angle may be given to the spray by varying the angle of the deflector and by inserting the standard in the ground at the proper inclination. The stream of water as it is discharged from the nozzle strikes against the deflector, which directs the same upwardly and at the same time spreads the water into a widely-diverging flat spray.

Various changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

- 5 1. The combination with a support, of a deflector pivoted thereto on a horizontal axis and having a clasp for engaging a spray-nozzle, the said support being provided with a stop for holding the nozzle at the proper angle, substantially as described.
- 10 2. The combination with a supporting-standard having a horizontal extension near its upper end, of a deflector having a clasp for engaging a spray-nozzle, said deflector being provided at or near one end with an

eye-bearing through which is received the horizontal extension of the standard, and a horizontal stop formed as a continuation of the standard and adapted to engage the nozzle, substantially as and for the purpose described. 15 20

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

FRANK L. SCHILD.

Witnesses:

FRED N. EDIE,
F. D. EDDY.