

A. SCHRADER.
Plant-Sprinkler.

No. 216,808.

Patented June 24, 1879.

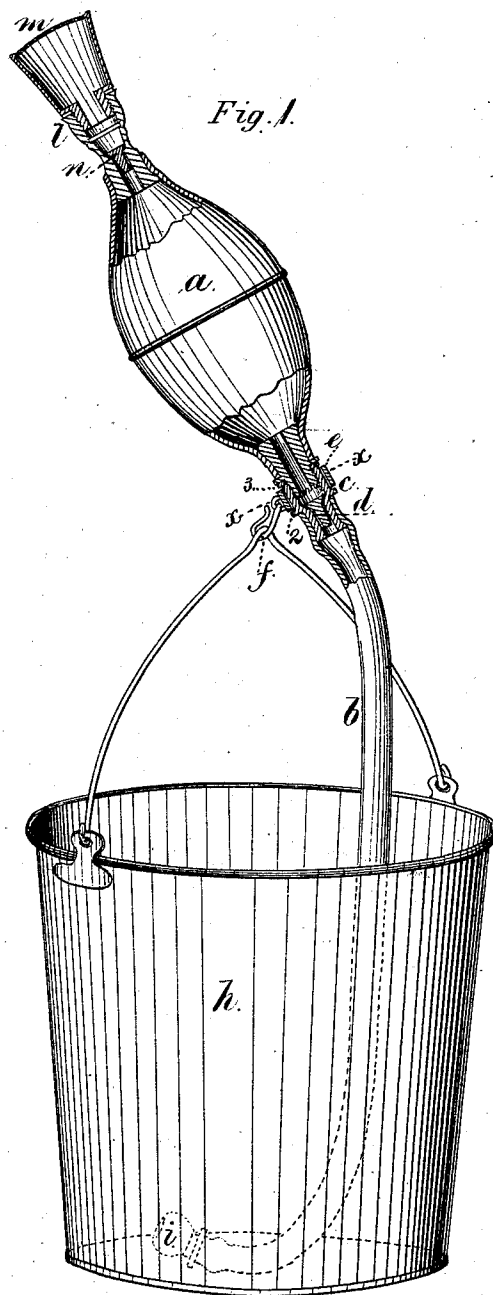


Fig. 2



Witnesses:
Harold Torrell
Geo. F. Pinckney

Inventor.
August Schrader.
per Lemuel W. Torrell atty.

UNITED STATES PATENT OFFICE.

AUGUST SCHRADER, OF NEW YORK, N. Y., ASSIGNOR TO GOODYEAR RUBBER CURLER COMPANY, OF SAME PLACE.

IMPROVEMENT IN PLANT-SPRINKLERS.

Specification forming part of Letters Patent No. 216,808, dated June 24, 1879; application filed April 21, 1879.

To all whom it may concern:

Be it known that I, AUGUST SCHRADER, of the city and State of New York, have invented an Improvement in Plant-Sprinklers, of which the following is a specification.

Syringes have been used for watering plants, the same being made with a piston in a metal cylinder and a rose or sprinkler at the end; and india-rubber injectors or syringes have been made with flexible tubes, bulbs, and jet-tube.

My invention relates to a plant-sprinkler in which a rose-sprinkler is combined with a bulb, a flexible tube, and coupling-valves, and in which a loose collar at the lower coupling-valve is provided with a hook for suspending a small pail containing the water or other liquid with which the plant is to be sprinkled, so that the said pail will be suspended in its proper position to the sprinkler, and can be moved from place to place and introduced among the flowers while the watering progresses.

In the drawings, Figure 1 is a vertical section of the sprinkler, and Fig. 2 is a section at the line *x x*.

The bulb *a* is of india-rubber, and it is connected to the rubber tube *b* by the screw-coupling *c*, in which is the valve *d*, opening toward the bulb. This coupling *c* is made in two parts, screwed together, so that the valve *d* may be introduced or withdrawn, and also in order that the ring *e* may be placed around the outside of the screw-couplings, between the two flanges 2 and 3 of said couplings; and there is a hook, *f*, hanging from a lug at one side of the ring, upon which hook the small pail *h* is suspended, with the tube *b* extending down into the liquid, and provided with a tubular metallic tip-piece, *i*, that keeps the tube down into the water.

At the upper end of the bulb *a* there is a screw-coupling, *l*, with an outlet-valve, *n*; and *m* is a sprinkler or rose, screwed into the coupling *l*.

It will now be evident that the bulb *a* can be grasped and the syringe operated by squeezing the bulb in the hand to eject the water through the rose in fine spray or jets upon the plants. The expansion of the bulb draws the liquid into such bulb through the tube *b*.

The small pail or vessel *h*, being suspended from the syringe itself, does not require to be handled separately, but it is always in its place for supplying the syringe, and can be carried with the syringe in between the foliage, and only requires one hand to sustain the pail and operate the syringe in sprinkling or washing plants.

I claim as my invention—

1. The combination, with the rose-sprinkler *m*, of the bulb *a*, outlet-valve *n*, and coupling *l* at one end of the bulb, and the inlet-valve *d* and tube *b* at the other end of the bulb, the rose-sprinkler being secured into the coupling, substantially as specified.

2. The combination, with the bulb-syringe and sprinkler, of the ring *e* around the coupling *c*, and the hook *f*, for suspending the vessel *h*, substantially as set forth.

3. The plant-sprinkler formed of the bulb-syringe, the sprinkler *m*, and the vessel *h*, suspended from the syringe, substantially as set forth.

Signed by me this 17th day of April, 1879.

A. SCHRADER.

Witnesses:

SIXT. CARL KAPFF.

EDWARD L. HEARSEY.