

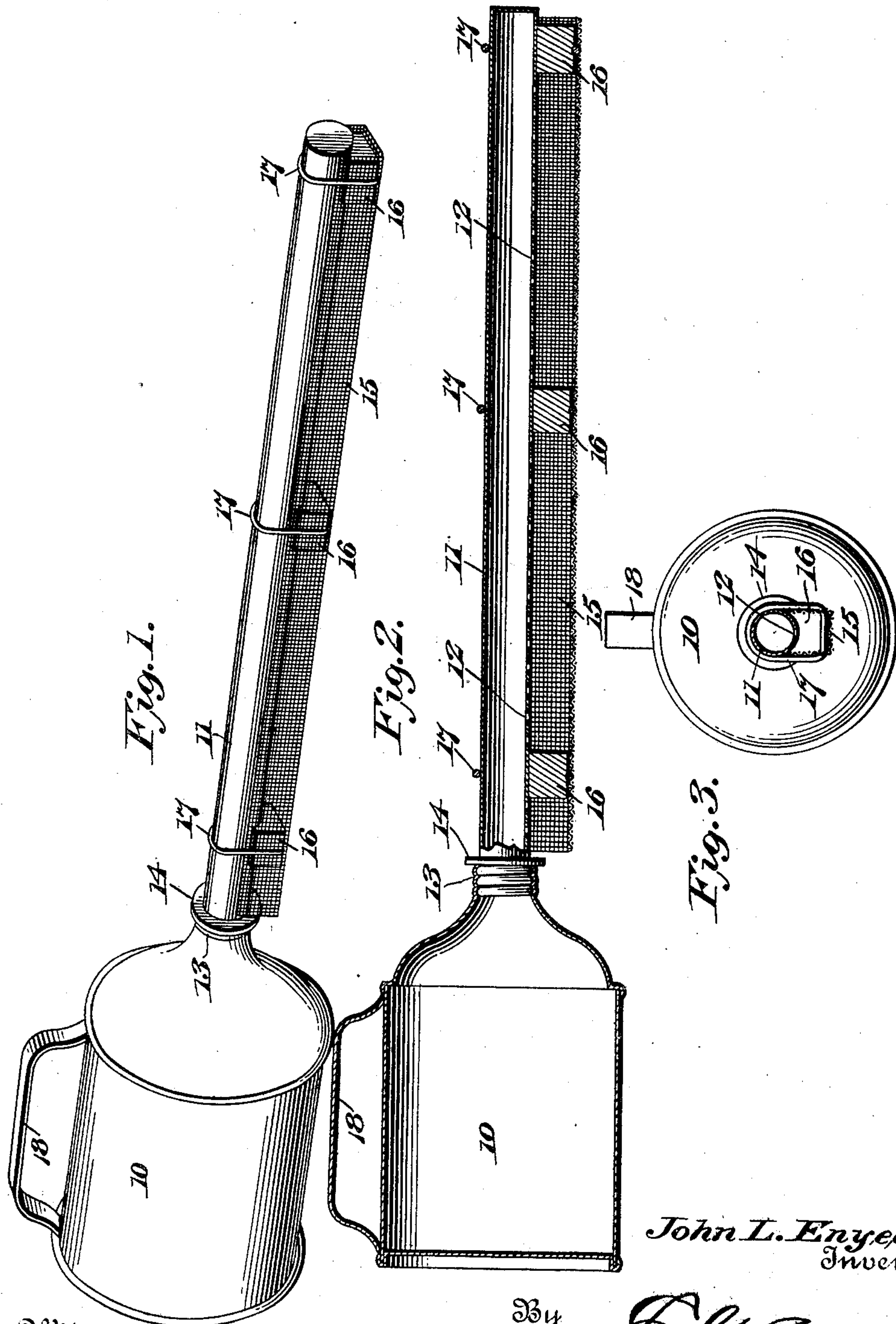
No. 668,956.

Patented Feb. 26, 1901.

J. L. ENYEART.
SPRAYER.

(Application filed Oct. 20, 1900.)

(No Model.)



John L. Enyeart
Inventor

Witnesses
Edwin L. McKee.
B. G. Foster.

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B. G. Foster
Attorney

UNITED STATES PATENT OFFICE.

JOHN LLOYD ENYEART, OF TURTLE CREEK, PENNSYLVANIA.

SPRAYER.

SPECIFICATION forming part of Letters Patent No. 668,956, dated February 26, 1901.

Application filed October 20, 1900. Serial No. 33,754. (No model.)

To all whom it may concern:

Be it known that I, JOHN LLOYD ENYEART, a citizen of the United States, residing at Turtle Creek, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Sprayer, of which the following is a specification.

The present invention relates to improvements in sprinklers or sprayers; and the object thereof is to provide a device of this character especially adapted for sprinkling water upon clothes, although it may be used for spraying various substances and for many analogous purposes, as will be readily understood.

More specifically, the aim of the invention is to provide a simple light hand-operated device arranged to hold a liquid or other substance and having means for thoroughly separating the same into minute particles as it is discharged therefrom.

To the end, therefore, that this invention may be readily understood, the preferred form of construction has been described in the following specification and illustrated in the drawings which accompany and form a part of the same; but it will be understood that the invention is not to be limited to the construction shown and described herewith, but is open to change and modification within the scope of the claims hereto appended.

In the drawings, Figure 1 is a perspective view of the preferred form of sprinkler. Fig. 2 is a longitudinal section of the same. Fig. 3 is a cross-section through the supply-spout.

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

In the form illustrated a receptacle is provided which comprises a reservoir 10 and a supply-spout 11, projecting from one end thereof and provided with a plurality of lateral discharge-openings 12. The reservoir 10 preferably comprises a cylindrical casing completely closed at one end and provided at its opposite end with a conical cap-plate having a hollow screw-threaded extension 13, which receives the end of the supply-spout 11 and also forms a filling-opening. The supply-tube 11 is preferably cylindrical in form, having one end closed, the opposite end being screw-threaded to permit of its being screwed into

the extension 13 and provided with an annular flange 14, which limits the distance that said end may be inserted. The tube is provided upon one side with a row of discharge-openings 12, which preferably extend substantially from end to end thereof and through which the contents of the receptacle are discharged. In order to break up the streams of material discharging through these perforations and thoroughly separate the particles of material, a spraying member 15 is provided, which is arranged in the path of the discharging material. This spraying member 15 is preferably in the form of a foraminous hood surrounding or inclosing the discharge-openings 12 and extending the entire length of and secured to the outer wall of the spout 11. It is spaced from the discharge-openings by the blocks 16 or equivalent means and is secured to the spout, preferably by means of bands 17, which surround the spout, and extending over the side walls of the hood pass through the same and around the spacing-blocks, as clearly shown in Fig. 3.

The operation of the device will be readily apparent. The spout is unscrewed from the reservoir, which is then filled, after which the spout is replaced. The device is held in a substantially horizontal position by means of the handle 18, which is provided on the side of the reservoir opposite the discharge-openings, whereby said discharge-openings will be on the under side, with the spraying-hood depending beneath the same. Upon shaking the device the material will discharge through the openings and striking the hood the particles of each stream will be separated and sprayed evenly in all directions.

By this construction it will be seen that an exceedingly inexpensive device is provided, which will thoroughly separate the discharging particles, whereby they will fall evenly over a comparatively large area. While the device is especially applicable for use in sprinkling clothes, it will be readily seen that it may be used in a variety of ways and for various purposes. Furthermore, although the construction has been shown and described with great particularity it is to be understood that such construction is open to change and modification in its size, shape, and construction within the scope of the appended claims.

Having now described the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A device of the class described, comprising a receptacle having a discharge-opening, and a spraying member arranged over and spaced from the said opening to separate the particles of material discharging therefrom.
2. A device of the class described, comprising a receptacle having a plurality of discharge-openings, and a spraying member inclosing said openings and spaced from the same to separate the particles of material discharging therefrom.
3. A device of the class described, comprising a receptacle having a contracted spout portion provided with a plurality of discharge-openings and a spraying-hood arranged over and spaced from said openings to separate the particles of material discharging therefrom.
4. A device of the class described, comprising a receptacle having a contracted spout

portion which is provided with a plurality of discharge-openings, and a foraminous spraying-hood inclosing and spaced from said discharge-openings to separate the particles of material discharged therefrom.

5. In a device of the class described, the combination with a reservoir, of a removable spout associated with said reservoir, and having a row of perforations through one of its side walls extending substantially from end to end thereof, and a foraminous spraying-hood secured to the spout and inclosing and spaced from the openings therein to separate the particles of material discharged there-through.

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

JOHN LLOYD ENYEART.

Witnesses:

C. E. KEISTER,
T. E. HARVEY.