J. W. BURBANK.

SPRAYING ATTACHMENT.

APPLICATION FILED MAY 13, 1919.

1,337.589.

Patented Apr. 20, 1920.

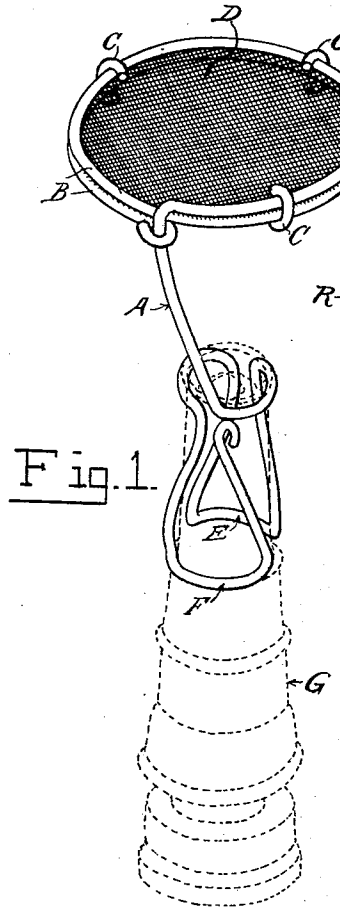



Fig. 1.

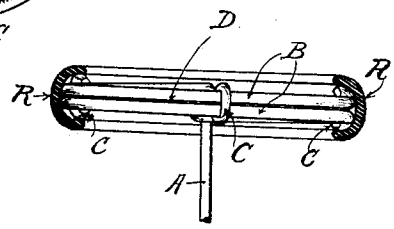



Fig. 2.

INVENTOR.

Joseph W. Burbank

BY Walter E. Ward

ATTORNEY

# UNITED STATES PATENT OFFICE.

JOSEPH W. BURBANK, OF ALBANY, NEW YORK.

## SPRAYING ATTACHMENT.

1,337,589. Specification of Letters Patent. Patented Apr. 20, 1920.

Application filed May 13, 1919. Serial No. 296,761.

*To all whom it may concern:*

Be it known that I, JOSEPH W. BURBANK, a citizen of the United States, residing at the city of Albany, in the county of Albany and State of New York, have invented certain new and useful Improvements in Spraying Attachments, of which the following is a specification.

My invention relates to spraying apparatus for garden hose and the object of my invention is to construct an attachment which may be readily adjusted to the nozzle of a garden hose whereby the water passing through the hose may be divided into a fine spray and may be economically and readily attached to any ordinary nozzle of a hose for spraying purposes.

I obtain this object by means of an attachment as shown in the accompanying drawings in which the nozzle of a hose is shown in dotted lines with the spraying attachment adjusted to the nozzle.

Similar letters refer to similar parts throughout the drawings.

Referring to the drawings, G represents the nozzle of an ordinary hose, D represents a fine wire sieve which is adjusted to be held in front of the mouth of the nozzle by spring wire A so that the water going through the nozzle will strike the wire sieve D and be converted into a fine spray. The sieve D is substantially circular in form and is held near the mouth of the nozzle by the spring wire A which is suitably bent in a convenient form with two jaws F and E adapted to conform to the shape and size of the nozzle, one jaw F coming on one side of the nozzle and the other jaw E coming on the other side, and having intermediate portions E′, F′ forming an opening adapted to admit the small end of the nozzle. By pressing the end of the nozzle through the said opening the wire forming the jaws E and F will be sprung outwardly to admit the nozzle and hold the nozzle securely within the wire embrace. The wire forming the jaws E and F rest against the sides of the nozzle so closely that the wire will have to be sprung outwardly somewhat to allow the nozzle to enter between the jaws E and F, the resiliency of the wire being sufficient to make the attachment hold rigidly on the nozzle. One end of the wire A, extends beyond the end of the nozzle, and is coiled about in a circular position to hold the edges of the wire sieve D between the coils of the wire A, as shown in the drawings. The coils B, B of the wire A are clamped tightly about the edges of the sieve D by the clamps C, C and the coils B, B may be so adjusted that they will hold the sieve D at a suitable distance beyond the mouth of the nozzle so that the water flowing through the nozzle will go against the sieve D and be converted into a fine spray.

Fig. 2 shows a modified form of my spraying attachment.

In the modified form I construct a sieve and spring wire holding the sieve, exactly the same as shown in Fig. 1 and as already described. The modification consists of encircling the wire sieve D and the coils B, B by a rubber ring R, as shown in section R, R in Fig. 2. This ring assists in clamping the coils B, B more firmly and securely upon the sieve and serves to protect the attachment and also prevent the attachment from injuring other articles with which it comes in contact.

Constructed as above described and shown in the drawings my spraying apparatus can be readily placed upon and removed from any ordinary garden hose and the water passing through the nozzle will be reduced to a spray, when desired, and the whole attachment readily placed upon or removed from the nozzle.

What I claim as my invention and desire to secure by Letters Patent is—

1. A spraying attachment comprising a sieve, a single piece of wire spirally coiled and receiving the sieve between adjacent spirals of said coil, means for holding the approximately parallel spirals of said coil together to clamp said sieve, and an arm of said wire extending from said sieve and bent to form jaws adapted to clamp the nozzle of a hose.

2. A spraying attachment comprising a single piece of spring wire bent to form a pair of jaws, then bent at approximately

right angles to each of the jaws to extend between the jaws to form an opening through which the end of a nozzle may extend, then bent to extend forwardly from the portion intermediate the jaws and at a short distance therefrom formed into a spiral coil, a sieve between adjacent spirals of the coil, and means for holding said spirals together to clamp the sieve therebetween.

In testimony whereof I have affixed my signature in the presence of two witnesses.

JOSEPH W. BURBANK.

Witnesses:

WALTER E. WARD,

MINNIE MONTANYE.