

Patented Nov. 30, 1909.

941,528.

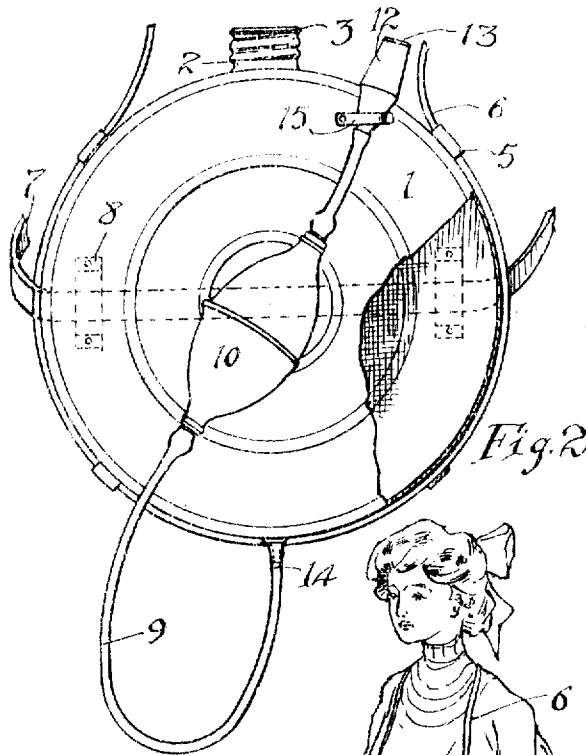


Fig. 2

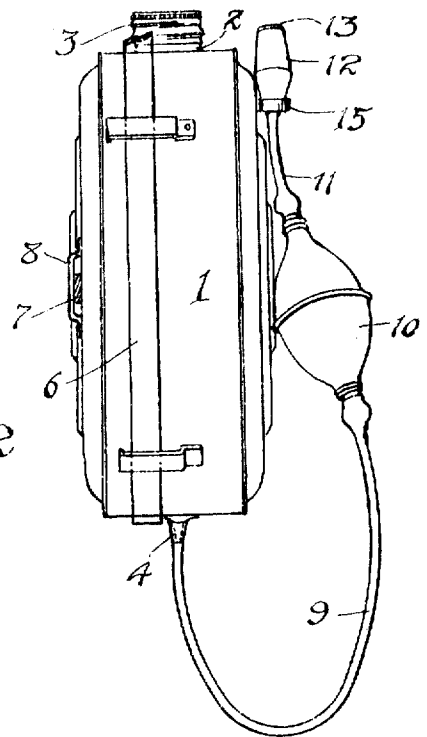


Fig. 3

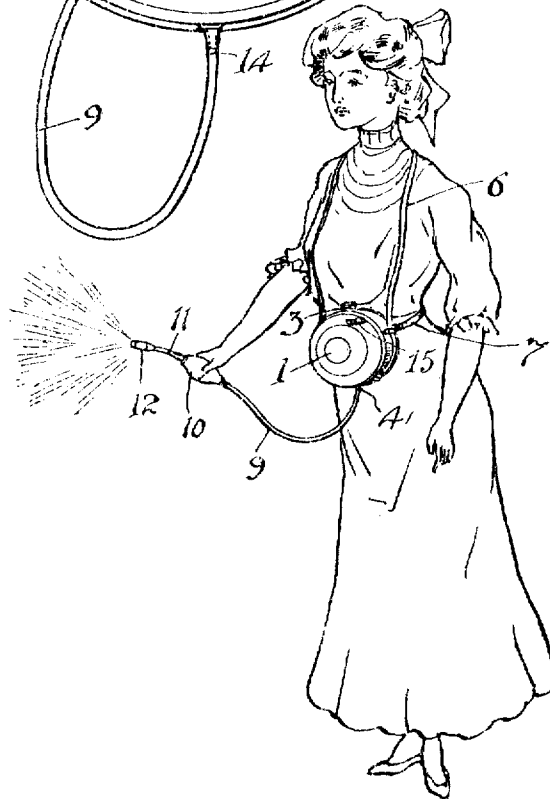


Fig. 1

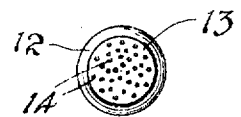


Fig. 4

WITNESSES:

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PORTABLE SPRAYER.

941,528.

Specification of Letters Patent.

Patented Nov. 30, 1909.

Application filed August 28, 1908. Serial No. 450,623.

To all whom it may concern:

Be it known that I, ABIJAH B. MORGAN, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented new and useful Improvements in Portable Sprayers, of which the following is a specification.

The object of the present invention is to provide a device which can be conveniently carried on the person, and by means of which a germicidal or other spray can be directed upon plants, trees, or other objects or places where it is desired to deposit a spray. It is especially suited for spraying household and garden plants, as the user can conveniently spray therewith intermittently, as required, and it can be carried on the person of the user without any danger of spilling the contents, or disfiguring the carpets or furniture of a house.

In the accompanying drawing, Figure 1 is a perspective view showing the device in use; Fig. 2 is an enlarged broken front view of the device detached; Fig. 3 is a side view; Fig. 4 is an end view of the nozzle.

Referring to the drawing, 1 indicates a receptacle made of any suitable material, and of flat cylindrical form so that it can conveniently rest against the body of the user. In the present instance I have shown it as of a flat cylindrical form. This receptacle is closed except for the supply opening 2, which, in use, is closed by a screw cap 3, and for the discharge nozzle 4. On the cylindrical surface of the receptacle are secured loops 5, through which passes a strap 6 adapted to pass around the neck of the user to suspend the receptacle therefrom, and in order to prevent the receptacle swinging from the body of the user, it is secured thereto by means of a strap 7 which passes through loops 8 secured on the back of the receptacle. On the discharge nozzle 4 is secured a rubber tube 9, which may be of any suitable length, and to the end of said tube is secured a rubber hand or bulb pump 10, having a rubber discharge tube 11, in which is inserted the reduced tubular end of a spraying nozzle 12, preferably of metal, although hard rubber or other suitable mate-

rial may be used. Said spraying nozzle is of considerable size compared with the tube 11, and is formed with a substantially flat outer end 13 having a large number of small perforations 14 through which the fluid is discharged in the form of spray. However, my invention is not restricted to any particular form of spraying nozzle, and I contemplate using with the invention various forms thereof, as may be required for different purposes.

When not in use the sprayer is supported upon the receptacle by means of a hook 15 secured upon the front side of the receptacle, which hooks over the discharge tube 11, and retains the same in place.

The mode of use of the device will be readily understood from the foregoing description. Thus, in using the same on garden plants, the user may inspect the plant, and, if any insects are discovered thereon or the sprayer is required to be used, it can be immediately detached from its support, and by pressure with the hand upon the bulb pump, the spray can be applied to the parts affected. The sprayer can then be replaced in position and the next plant visited and treated in like manner. Pruning or other operations can be performed in the intervals between spraying. Its mode of use in the field is similar, a larger receptacle being naturally required for such use.

In my improved sprayer, the body of the can, having a flat shape, is convenient to carry, and the straps are so arranged that the can may be carried either in front or on one side and will not shift from its position, while the nozzle or nose 12, when hung upon the hook 15, is out of the way, leaving both hands free, and not permitting any drippings of the liquid.

I claim:—

The combination of a flat cylindrical receptacle having supply and discharge openings at opposite parts of its cylindrical surface, means for closing the supply opening, loops on said cylindrical surface, a strap therethrough for suspending the receptacle from the body of the wearer, loops on one of the flat surfaces of the receptacle, a strap

therethrough for securing it around the body
of the wearer, a hand pump, a spraying nozzle,
rubber tubing connecting said discharge
opening, hand pump and nozzle, and a hook
5 on the other flat surface, adjacent to said
supply opening, and adapted to engage said
nozzle to support the same when not in use.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing
witnesses.

ABIJAH B. MORGAN.

Witnesses:

FRANCIS M. WRIGHT,
D. B. RICHARDS.