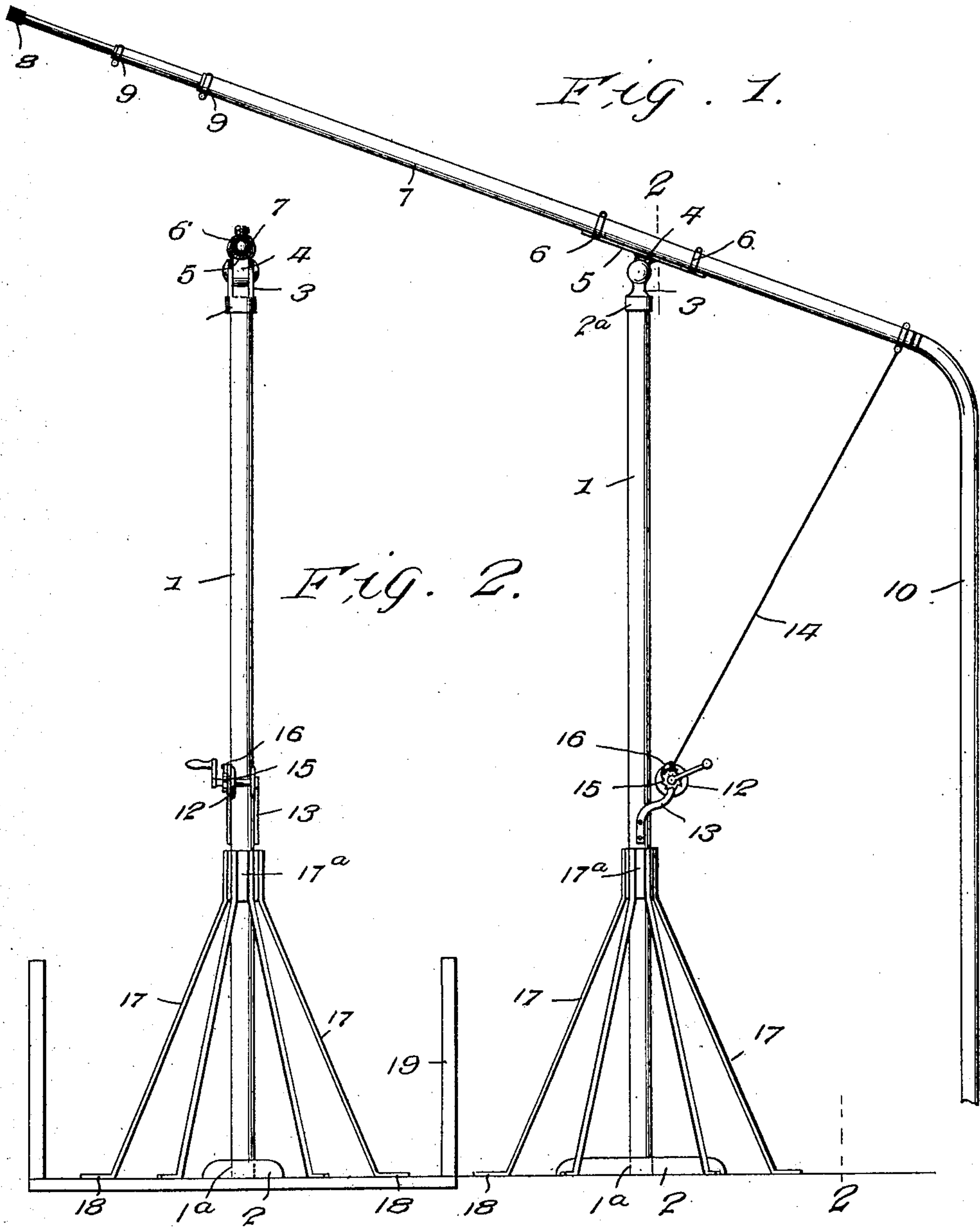


J. C. RYAN.
SPRAYING APPLIANCE.
APPLICATION FILED FEB. 18, 1908.

912,894.

Patented Feb. 16, 1909.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES C. RYAN, OF GASPORT, NEW YORK.

SPRAYING APPLIANCE.

No. 912,894.

Specification of Letters Patent.

Patented Feb. 16, 1909.

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To all whom it may concern:

Be it known that I, JAMES C. RYAN, a citizen of the United States, residing at Gasport, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Spraying Appliances; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to new and useful improvements in spraying appliances and my object is to provide a nozzle carrying telescoping frame and rotating support therefor.

A further object is to provide means for pivotally securing the frame to the support.

A further object is to provide means for raising or lowering the discharging end of said frame.

A further object is to swivelly mount the supporting mechanism whereby the nozzle may be swung laterally and a still further object is to provide suitable brace members for the supporting device.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claim.

In the accompanying drawings which are made a part of this application, Figure 1 is a side elevation of my improved nozzle supporting appliance in its operative position, and, Fig. 2 is a sectional view thereof, as seen on line 2—2, Fig. 1.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates a standard, the lower end of which is secured in a socket 1^a in a base 2, while the upper end thereof is provided with a head 2^a having ears 3, between which is pivotally secured a tongue 4, depending from a platform 5.

Secured to the platform in any preferred manner, as by means of split collars 6, is a nozzle frame 7, which is preferably constructed of metal and formed of telescoping sections of various lengths, whereby said frame may be lengthened or shortened, as desired, the smaller section being provided at its outer end with a spraying nozzle 8, the sections being held in their adjusted positions by means of clamps 9.

This device is adapted more particularly to be used in connection with a spraying apparatus (not shown), and the spraying solu-

tion is conveyed to the nozzle through a hose 10, which hose may be secured in any suitable manner to the end of the telescoping section farthest from the nozzle, or extended through the sections and secured to the end of the section having the nozzle thereon and by pivotally mounting the platform on the upper end of the standard 1, it will be readily seen that the discharging nozzle may be readily swung upwardly or downwardly to deliver the spraying solution to objects of various heights and by swivelly mounting the standard 1 in the base 2, said nozzle may be swung laterally as well as vertically.

The end of the frame containing the nozzle 8 is readily raised and lowered by mounting a drum 12 between brackets 13 on the standard 1 and extending a cable 14 from the drum to that end of the frame farthest from the nozzle and it will be readily seen that when the cable is wound upon or unwound from the drum, the height of the nozzle will be accordingly regulated. The major portion of the frame 7 is placed at one side of the pivot point of the platform 5, so that when the cable is unwound from the drum, the heavier end of the frame, or that end containing the nozzle, will readily descend by gravity, while by securing the cable to the opposite end of the frame, the nozzle end thereof will be raised when the cable is wound on the drum.

To prevent the cable from unwinding from the drum, until such time as it is desired to lower the spraying end of the frame, I secure to the drum a ratchet 15, with which is adapted to cooperate a pawl 16, carried by one of the brackets 13 and it will be readily seen that as long as the pawl is in engagement with said ratchet, the spraying end of the frame will be held in its elevated position.

In conjunction with the base 2 for supporting the standard 1, I provide a plurality of arms 17, which are secured at their upper ends to a collar 17^a surrounding the standard 1 and at a distance above the base 2, said arms radiating from the standard and having feet 18 thereon, which engage and rest upon the bottom of a wagon bed 19 or other suitable support and assist in holding the standard in a vertical position.

This appliance is more particularly adaptable for spraying trees, or the like, where said trees grow at a considerable height and it will be readily seen that I have provided a

very efficient and cheap construction for supporting the nozzle frame and likewise that the nozzle may be readily raised or lowered as desired and by forming the frame of telescoping sections, the spraying fluid may be carried to a considerable height. It will also be seen that in view of the various angles to which the nozzle may be extended, the device may be used for spraying small plants, such as potatoes, as well as directing a stream of water onto a building in case of fire.

What I claim is:

In a spraying attachment, the combination with a standard; of a head engaging the end of the standard, ears projecting from the

head, a tongue positioned between the ears and pivoted thereto, a platform from which the tongue depends, a nozzle frame held by the platform, brackets projecting from the standard, a drum mounted in the brackets, means for holding the drum against movement in one direction and a flexible connection between the drum and one end of the nozzle frame.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES C. RYAN.

Witnesses:

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M. A. WATTS.