

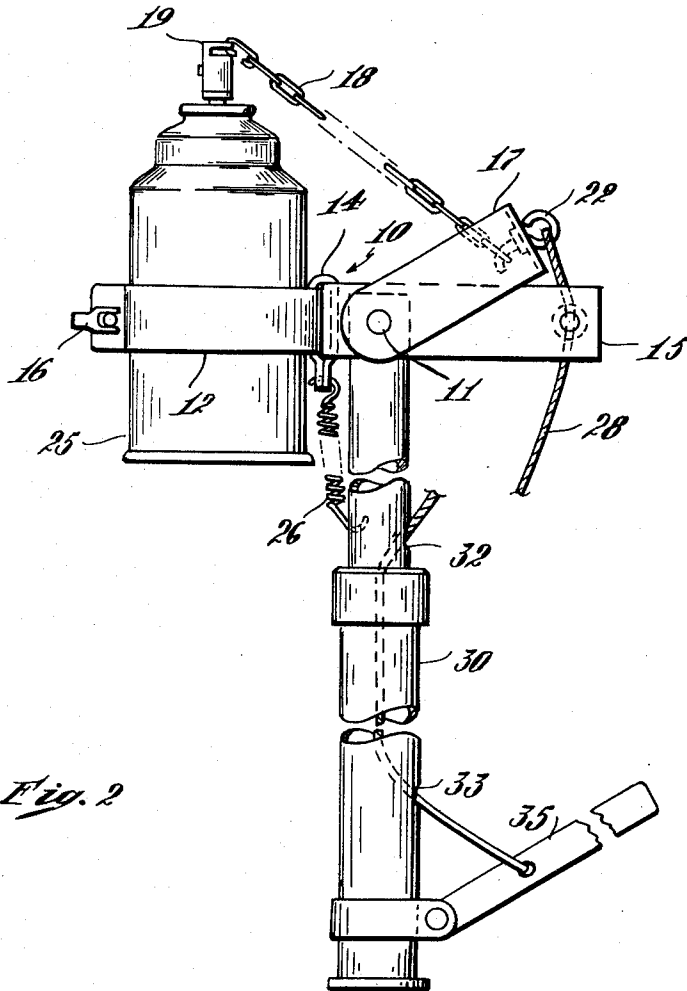
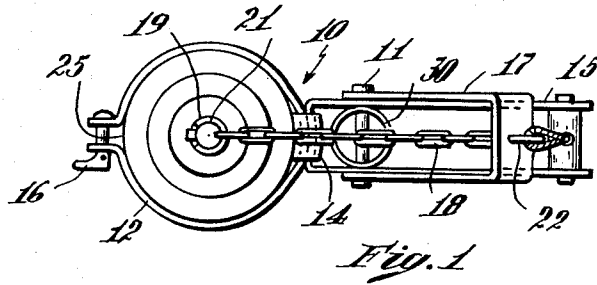
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3,069,095

SHRUBBERY SPRAYER

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SHRUBBERY SPRAYER
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This invention relates to spray devices and more particularly to such a device which may be operated remotely.

Objects of the invention are to provide a spray device which utilizes readily available aerosol spray containers, which may be operated remotely, as for example in the spraying of the higher portions of trees and shrubs, which permits the orientation of the spray also to be adjusted remotely, which is of simple and inexpensive construction.

In brief summary, apparatus according to the present invention comprises a pole, a can holder pivotally mounted at one end of the pole, means operable from the other end of the pole for tilting the can holder, and means responsive to the operation of said means for opening the valve of a pressurized spray can held in the can holder.

For the purpose of illustration a preferred embodiment is shown in the accompanying drawings in which

FIG. 1 is a top view of a remote control spray apparatus; and

FIG. 2 is a side elevation of the spray apparatus.

Referring now to the drawings a can holding bracket 10 is pivotally mounted by the pin 11 at the upper end of a hollow extendible pole 30. The bracket includes a clamp part 12 and a laterally extending portion 15 joined together by a fastener 14. The clamp part 12 is shaped so as to fit around an aerosol spray container 25 and is adapted to be locked by the key 16. A spring 26, having its lower end attached to the pole 30 and its upper end attached to the fastener 14, urges the bracket 10 in one direction about the pin 11.

Pivoted about the same pin 11 is a U-shaped lever 17, the legs of the U straddling the laterally extending portion 15 of the bracket 10. A chain 18 extends from an eyebolt 22 attached to this lever to a slotted sleeve 19 which is adapted to fit over the valve 21 of an aerosol spray can 25 held in the clamp 12. Also attached to the lever 17 by means of the eyebolt 22 is an actuating cord 28 which passes through the center of the hollow pole 30, entering and leaving the pole by means of the openings 32 and 33 respectively. For convenience in operation the lower end of the cord 28 is preferably attached to a handle 35.

In operation the pole 30 may be held at its lower end and its length used to position the aerosol container 23 adjacent the object to be sprayed. Pulling on the actuating cord 28 or throwing the handle 35 tilts the lever 17 which in turn, acting through the chain 18, tilts the valve 21, the can 25 itself being maintained in position by the force of the spring 26. Pulling further on the cord causes the lever 17 to come into engagement with the laterally extending portion 15 of the bracket 10 and thereby to tilt the bracket 10 with the can 25 relative to the pole 30. In this manner the attitude of the can and the orientation of the spray may be controlled effectively

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from a distance. This control also insures that the spray can may be kept in substantially vertical position so as to insure its proper operation.

It should be understood that the present disclosure is for the purpose of illustration only and that the present invention includes all modifications and equivalents falling within the scope of the appended claims.

I claim:

1. For the remote control of a pressurized spray can having a tiltable valve to control its outlet, apparatus comprising: a pole; a can holder tiltable mounted at one end of the pole; means, operable from the other end of the pole and including means for engaging the valve of a spray can held in said holder, for first tilting the valve of a spray can so held relative its body and then tilting the can holder.

2. For the remote control of a spray can having a tiltable valve to control its outlet, apparatus comprising a pole, a lever pivotally mounted at one end of the pole, a can holder pivotally mounted at said one end of the pole, means operable from the other end of the pole for tilting the lever, means for interconnecting the lever and the valve of a can held in the can holder whereby, when the lever is tilted, the valve of the can will first be tilted relative its body and then the entire can will be tilted relative the pole.

3. For the remote control of a spray can having a tiltable valve to control its outlet, apparatus comprising a pole, a lever pivotally mounted about an axis at one end of the pole, a can holder pivotally mounted about the same said axis, a spring between the pole and the can holder for urging the can holder in one direction about said axis, means operable from the other end of the pole for tilting the lever, means for interconnecting the lever and the valve of a can held in the can holder whereby, when the lever is tilted in the opposite direction about said axis, the valve of the can will first be tilted relative its body and then the entire can will be tilted relative the pole.

4. For the remote control of a pressurized spray can having a tiltable valve to control its outlet, apparatus comprising a pole, a lever pivotally mounted at one end of the pole, a can holder pivotally mounted at said one end of the pole and having an extending portion adapted for engagement with said lever, means operable from the other end of the pole for pivoting the lever, and means for interconnecting the lever and the valve of a spray can held in the can holder, whereby when the lever is tilted the movement first causes the valve of that can to be tilted relative its body and the lever then engages the extending portion of the can holder thereby tilting the entire can relative the pole.

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