B. E. STONE.

HOSE STAND.

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1,425,067. Patented Aug. 8, 1922.

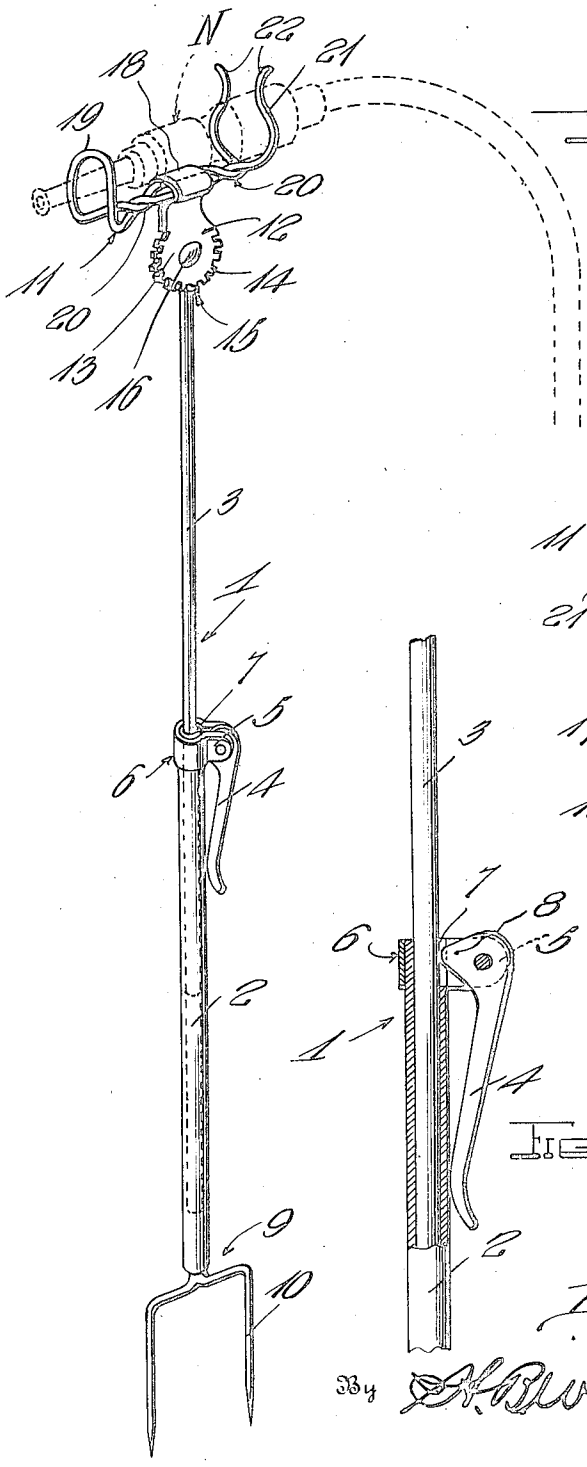


Fig. 1

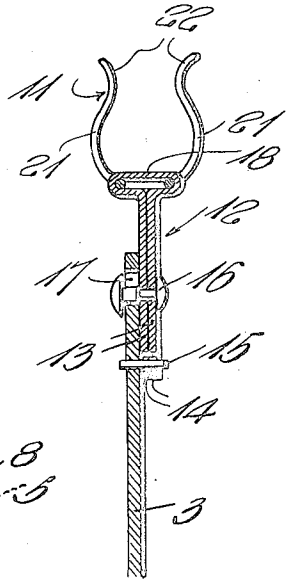


Fig. 2

Fig. 3

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To all whom it may concern:

Be it known that I, BERT E. STONE, citizen of the United States, residing at Plattsburg, in the county of Clinton and State of New York, have invented certain new and useful Improvements in Hose Stands; and I do 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.

This invention relates to an improved hose stand designed for supporting garden hose and the principal object of the invention is to generally improve upon devices of this class by providing one of extreme simplicity and durability which embodies novel details such as an anchor for permitting it to be forced into the ground at any desirable point whether it is level or not, vertically extensible telescopically connected members for enabling the hose to be positioned at any desired elevation, and a novel device associated with said extensible members for permitting the nozzle to be pointed in any direction to permit the sprav to be directed in a vertical, horizontal or intermediate plane.

Another object of the invention is to provide a stand of this class wherein the nozzle holder is so associated with the supporting device as to permit quick adjustment for changing the angularity of the nozzle with respect to the support to permit the spray to be thrown in the desired direction.

A further object of the invention is to provide a stand of this class wherein the holder for the nozzle embodies a novel device for effectively engaging the nozzle, the same being constructed from a single piece of wire to render the device extremely inexpensive.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification and in which like numerals are employed to designate like parts throughout the same—

Figure 1 is a perspective view of a hose stand constructed in accordance with this invention showing the hose in position thereon.

Figure 2 is an enlarged detail sectional view of the upper portion of the device showing the construction of the adjusting means and nozzle holder more clearly.

Figure 3 is a detail view showing the locking means for retaining the extensible sections of the support in various set positions.

In carrying out the invention, I make use of a novel vertically adjustable supporting device which is generally designated by the numeral 1, the same including a lower tubular section 2 and a rod 3 which telescopes into the part 2, it being obvious that this form of support serves to permit the hose to be arranged at any desired elevation. For the purpose of holding the parts 2 and 3 in adjusted position, I make use of novel means which is preferably in the form of a cam locking lever 4, the head of which is pivoted between the ears 5 on a band 6 which is bent around and secured in any suitable way to the upper end of the tubular section 2. The latter is formed near its upper end and in one side with a slot 7 through which the nose 8 of the locking lever projects to permit it to be directly engaged with the rod 3 as clearly shown in Fig. 3.

As previously indicated, it is desirable to provide the support 1 with means whereby it will be enabled to be positioned on inclined ground where the surface is irregular or smooth and to permit my stand to be so used, I make use of an anchoring fork 9 which is secured to the lower end of the tubular member 2, the tines 10 thereof being pointed at their free ends so that they can be forced into the ground by hand.

The device in addition to embodying the parts so far described, includes a novel holder for the nozzle and this holder has associated with it, means for enabling it to be disposed in different angular positions so that the spray of liquid can be directed in a vertical, horizontal or intermediate plane. The nozzle holder is generally indicated by the numeral 11 whereas the adjusting device is generally indicated by the numeral 12, the two being connected together and being supported on the upper end of the rod 3. Specifically described, the part 12 is formed from a single piece of metal bent between its ends to provide a pair of disk-like parts 13 which have their peripheries formed with closely spaced teeth 14 designed to co-act with the laterally disposed lug or pin 15 carried by the rod 3. It is

obvious that the teeth 14 and pin 15 serve to permit the part 12 to be adjusted to various positions to change the angularity of the nozzle holder and in order to permit this end to be accomplished, it is necessary to so connect the part 12 with the rod as to permit it to be quickly disengaged from the pin 15. While this could be accomplished otherwise, I simply make use of a rivet 16 which is carried by the part 12 and extends through an elongated slot 17 formed in the upper end of the rod 3 as clearly shown in the detailed view in Figure 2. While reviewing this figure, I wish to direct attention to the fact that in blending the material to form this adjusting part 12. the same is so bent as to provide a flattened tubular part 18 at its top which serves a purpose to be hereinafter set forth.

To render the holder 11 novel and to insure that it will effectively hold the nozzle N against accidental displacement, I prefer to form this part from a single length of wire which is bent between its ends to form a laterally disposed substantially U-shaped guide 19. Adjacent this guide, the wire is twisted as indicated at the points 20 and finally, the free ends thereof are bent to provide a pair of resilient clamping jaws 21, the extremities of which are bent outwardly away from each other as indicated at 22 to facilitate insertion of the nozzle. The intermediate portion of the wire holder is passed through the part 18 and the wires spread sufficiently far apart to seat themselves in the curved sides of this part 18, thus providing a novel way of connecting the holder 11 and member 12 together.

In use, the pointed tines of the anchoring fork 9 are forced into the ground at the desired point and the sections 2 and 3 of the extensible fork adjusted to dispose the hose at the desired elevation and are locked in place by the cam lever 4. The nozzle of the hose is forced between the spring jaws 21 and the discharge end thereof extended through the guide 19 and the holder gripped and lifted upwardly to disengage the adjusting member 12 from the pin 15 to place the nozzle in the desired plane for directing the spray in the desired manner.

By carefully considering the description in connection with the drawings, persons familiar with devices of this class will doubtless be able to obtain a clear understanding of the invention. Therefore, a more lengthy and detailed description is deemed unnecessary.

Since probably the best results may be obtained with the construction and arrangement herein shown and described, this is taken as the preferred embodiment of the invention. However, I wish it to be understood that minor changes coming within the scope of the invention as claimed may be resorted to if desired.

I claim:

A hose stand including a vertically disposed rod having a slot formed therein adjacent its upper end, a laterally disposed pin carried by said rod and disposed adjacent said slot, an adjusting device formed from a single piece of metal bent between its ends to form a flattened tubular portion and a pair of disk-like parts having teeth around their peripheries for co-action with said pin, a connection passing through said disk-like portions and said slot to permit said device to be lifted for disengaging the teeth thereof from said pin, and a nozzle-engaging member formed from a single length of wire bent between its ends to provide an upstanding arched guide for the discharge end of the nozzle and a pair of resilient jaws for engaging the body portion of the nozzle, the intermediate portion of said member being disposed in the flat tubular portion of said device.

In testimony whereof I have hereunto set my hand.

BERT E. STONE