C. H. RODIG.

Supports for Hose-Nozzles.

No. 199,576. Patented Jan. 22, 1878.

Fig. 1

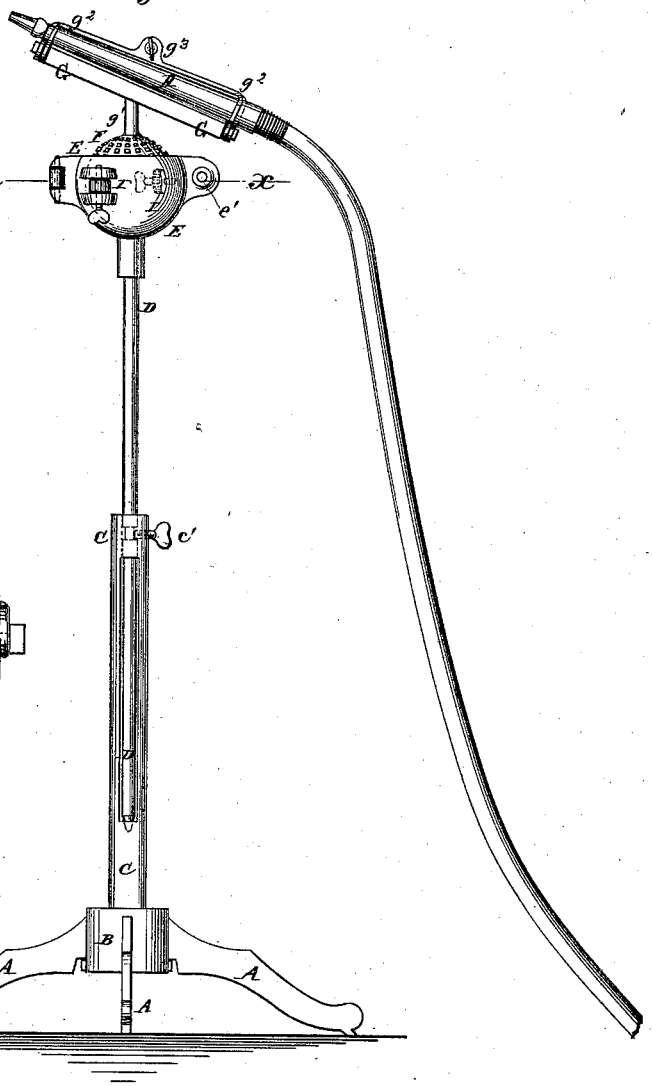


Fig. 2

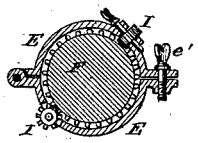


Fig. 3

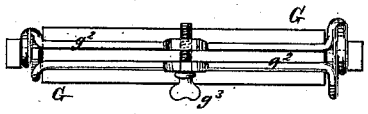


Fig. 4

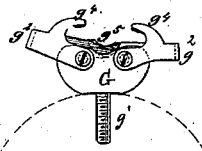
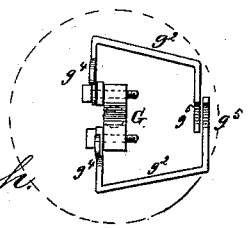


Fig. 5



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UNITED STATES PATENT OFFICE.

CHARLES H. RODIG, OF CLEVELAND, OHIO.

IMPROVEMENT IN SUPPORTS FOR HOSE-NOZZLES.

Specification forming part of Letters Patent No. **199,576**, dated January 22, 1878; application filed August 24, 1877.

To all whom it may concern:

Be it known that I, CHARLES H. RODIG, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Improvement in Nozzle-Holders, of which the following is a specification:

Figure 1 is a side view of my improved device. Fig. 2 is a detail cross-section of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a detail top view of the holder or clamp closed. Fig. 4 is a detail end view of a modified form of the same opened. Fig. 5 is a detail top view of the modified form of the holder or clamp opened.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved device for holding the nozzle of a hose while being used, and which shall be so constructed as to permit the stream or shower to be discharged horizontally, or up or down, at any desired angle.

The invention consists in the combination of the plate provided with the stem, the pivoted clamping-rods, having loops or bends formed in their arms, and the clamping-screw, with the ball and with the socket made in two parts, hinged to each other at one side, and secured by a clamping-screw at the other side, and attached to a stand; in the bars pivoted at the ends of the arms at one end to the block, provided with hooks upon their pivoted arms, and with hooks upon the overlapping ends of their free arms, in combination with the said block, the ball, the socket, and a stand; and in the combination of the gear-wheels, provided with the handles, with the socket, and with the teeth formed upon the surface of the ball to which the holder is attached, as hereinafter fully described.

A B is the base of the stand, which is formed by attaching three legs, A, to a center block, B. Into the block B is screwed, or to it is otherwise attached, the lower end of a tube, C, into which is inserted a rod, D. The rod D is supported at any desired height by a set-screw, *c'*, which passes in through the side of the tube C and presses against the side of the said rod D.

E is the socket, which is made in the shape of two hollow hemispheres, having their upper parts, for about one-third of their diameter, cut away and hinged to each other at one side. One of the parts of the socket E is attached to the upper end of the rod D. Upon the sides of the halves of the socket E opposite their hinge are formed lugs, to receive a clamping-screw, *e'*, for fastening them when closed.

F is a ball, which fits into the cavity of the socket E, and has a stem, g^1, screwed into its top. To the upper end of the stem g^1 is attached a plate, G.

g^2 are two rods, placed parallel with the plate G and with each other, and the ends of which are bent downward at right angles, and are pivoted at their ends to the ends of the plate G. In the arms of the rods g^2 are formed bends or loops, to receive the nozzle H to be held, and thus form jaws to clamp the said nozzle in place. Upon the middle parts of the rods or jaws g^2 are formed lugs, to receive the clamping-screw g^3 by which the said jaws are fastened to each other, clamping the nozzle H between them.

In the modification shown in Figs. 4 and 5 the bar G is made short, and to it is pivoted the ends of the rods or bars g^2, which have hooks g^4 formed upon the arms next their pivoted ends. The other arms of the bars g^2 overlap each other, and have hooks g^5 formed upon them, as shown in Fig. 5. With this construction, when the nozzle H is placed upon the block G and the hooks g^5, its weight presses the said hooks downward, which closes the hooks g^4 over the said nozzle H, and thus holds it securely.

To lugs formed upon the sides of the socket E are pivoted small gear-wheels I, one of which is vertical and the other horizontal, and which have handles *i'* formed upon one of their journals, to enable them to be conveniently turned. The inner sides of the gear-wheels I pass through holes in the shell of the socket E, so that their teeth may engage with the teeth formed upon the surface of the ball F, to enable the said ball to be turned into any desired position to direct the nozzle to any desired point.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the plate G, provided with the stem g^1, the pivoted clamping-rods g^2, having loops or bends formed in their ends, and the clamping-screw g^3, with the ball F and the socket E, made in two parts, hinged to each other at one side and secured by a clamping-screw, e', at the other side, and attached to a stand, substantially as herein shown and described.

2. The bars g^2, pivoted at the ends of the arms at one end to the block G, provided with hooks g^4 upon their pivoted arms, and with hooks g^5 upon the overlapped ends of their free arms, in combination with the said block G, the ball F, the socket E e', and a stand, substantially as herein shown and described.

3. The combination of the gear-wheels I, provided with the handles i', with the socket E e', and with the teeth formed upon the surface of the ball F, to which the holder is attached, substantially as herein shown and described.

CHARLES HERRMANN RODIG.

Witnesses:
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