

No. 886,272.

PATENTED APR. 28, 1908.

S. SUZUKI.
HOSE NOZZLE.

APPLICATION FILED SEPT. 4, 1907.

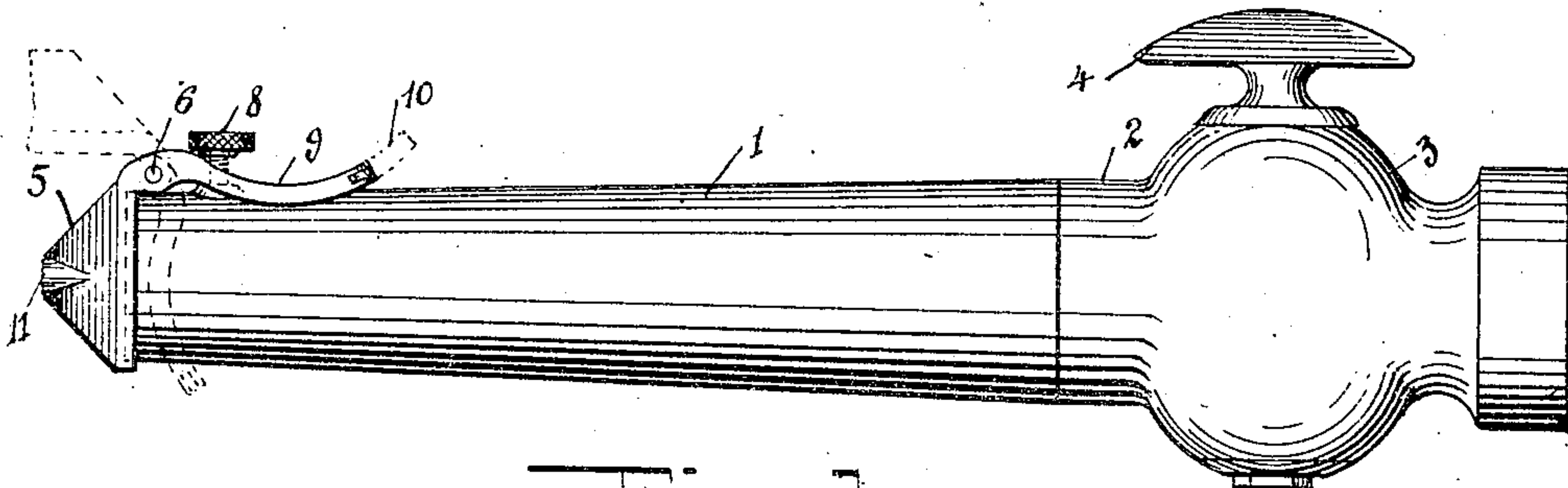


Fig. 1.

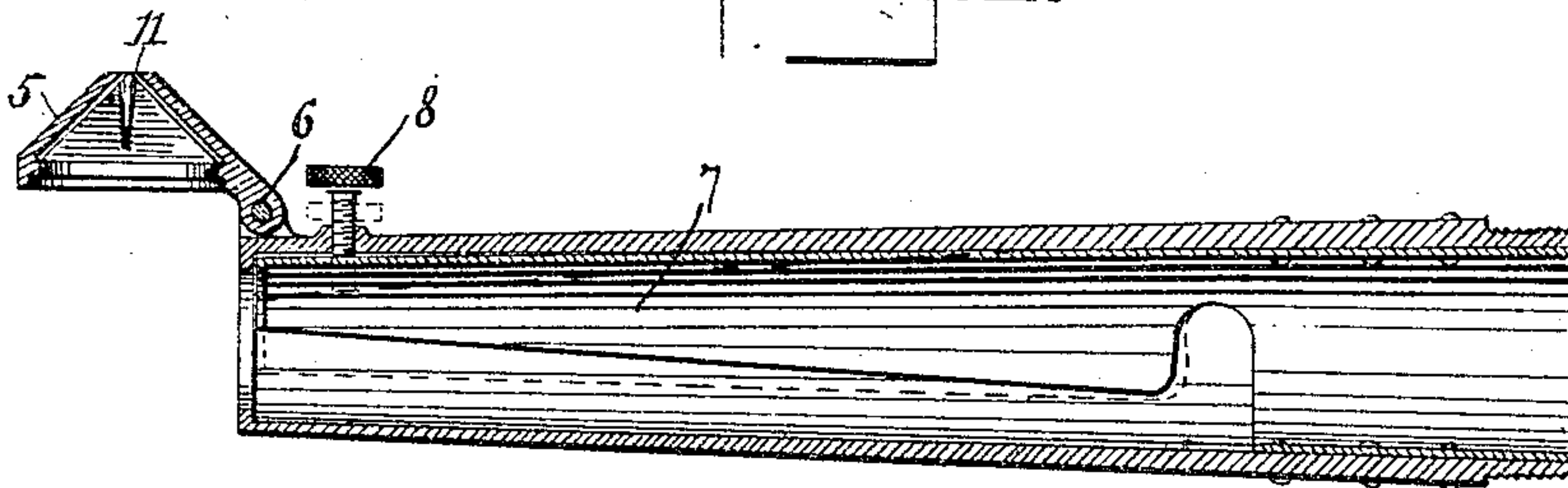


Fig. 2.

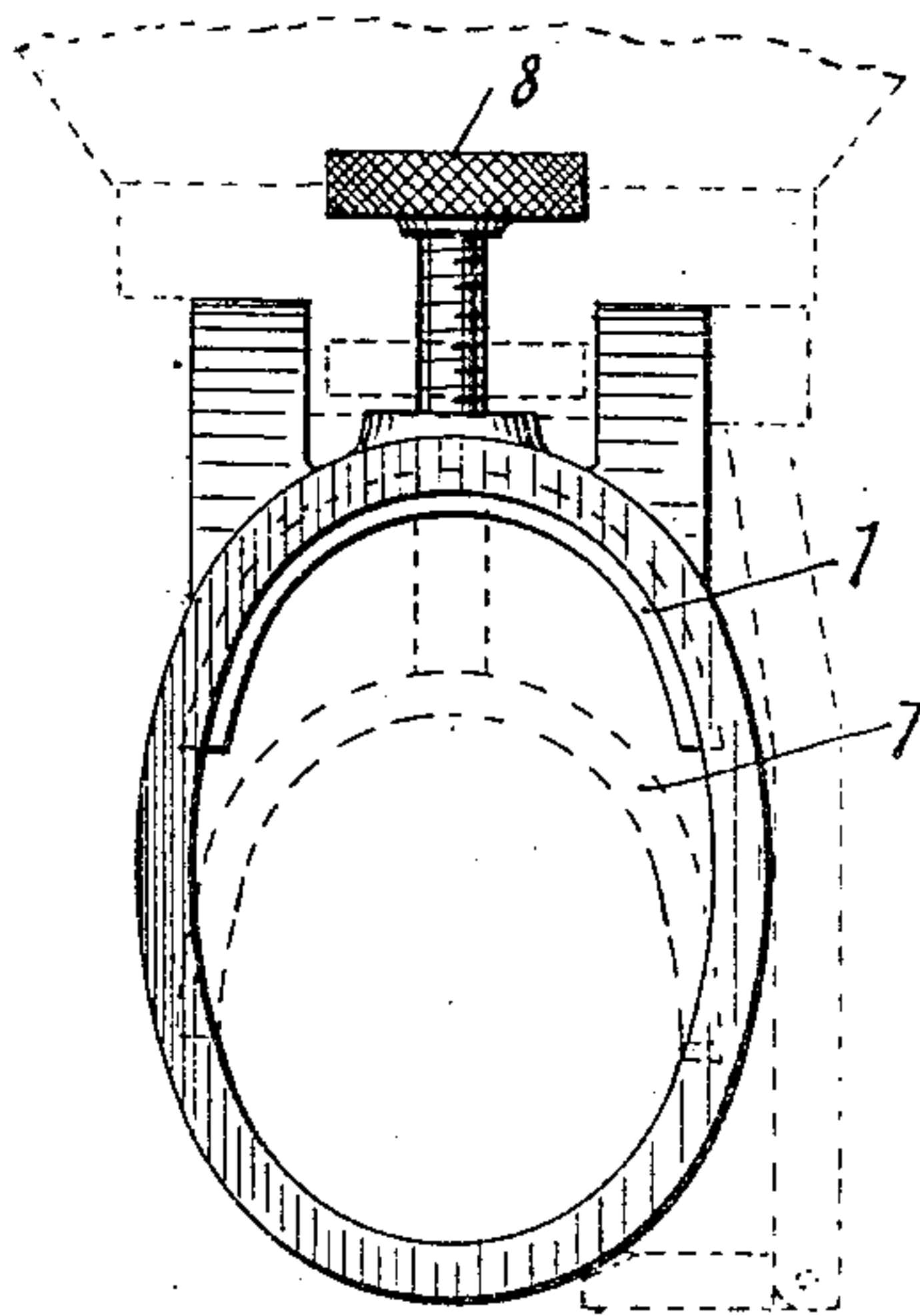


Fig. 3.

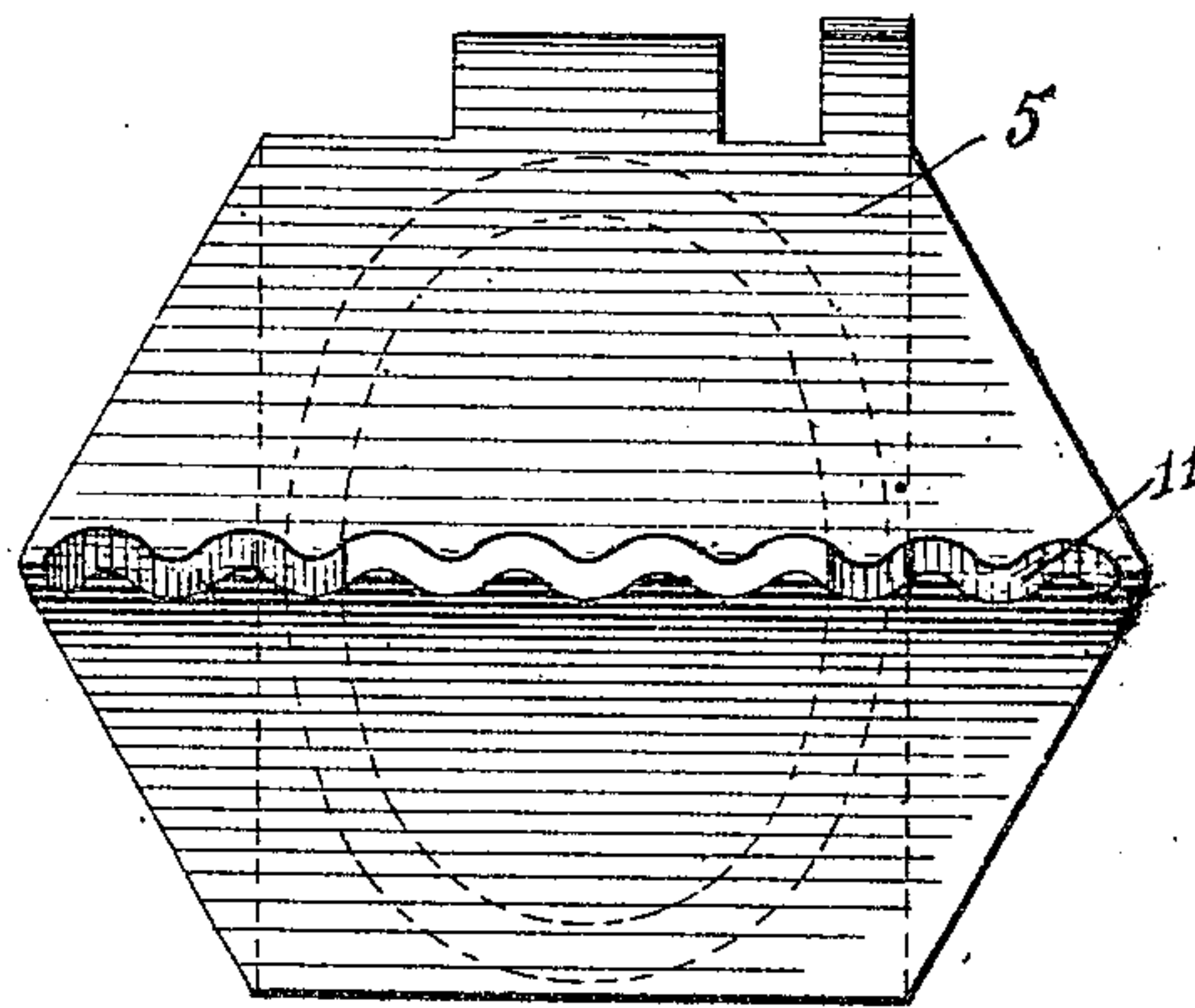


Fig. 4.

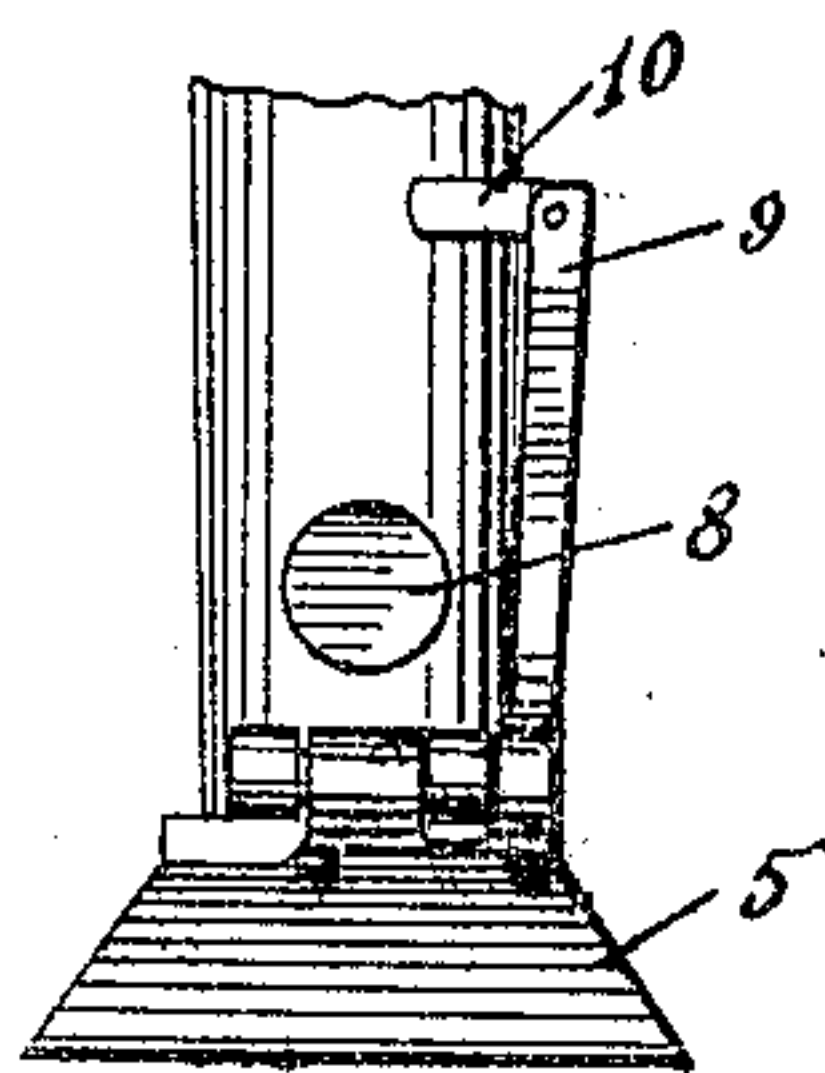


Fig. 5.

WITNESSES

Ben. Goffe

Arvid. Munn

INVENTOR

Sugaji Suzuki

BY

Munn & Co

ATTORNEYS

UNITED STATES PATENT OFFICE.

SUGAJI SUZUKI, OF OGDEN, UTAH.

HOSE-NOZZLE.

No. 836,272.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed September 4, 1907. Serial No. 391,328.

To all whom it may concern:

Be it known that I, SUGAJI SUZUKI, a citizen of the United States, and a resident of Ogden city, in the county of Weber and State of Utah, have invented a new and Improved Hose-Nozzle, of which the following is a full, clear, and exact description.

This invention relates to hose nozzles, and more especially such nozzles as can be adapted for spraying trees, plants, shrubbery and the like.

An object of this invention is to provide a nozzle preferably embodying a movable spray cap.

A further object is to provide means independent of the spray cap to regulate the volume of water which passes through the nozzle.

The invention consists in the construction and combination of parts to be more particularly described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification in which similar characters of reference indicate corresponding parts in all the figures in which

Figure 1 is a longitudinal view of the nozzle showing in dotted lines the spray cap thrown to an inoperative position; Fig. 2 is a longitudinal sectional view of the nozzle; Fig. 3 is an end view of the nozzle showing in extreme positions, in full and dotted lines respectively, the means employed for regulating the flow of water through the nozzle; Fig. 4 is an end view of the nozzle with the spray cap in position; and Fig. 5 is a top view showing in detail means for securing the spray in an operative or inoperative position.

The nozzle 1 is preferably threadedly connected to any suitable cut-off cock 2, that shown consisting of an expanded body 3 having a plug valve 4. The nozzle is a tapering tubular body oval in cross section as shown in Fig. 3 and is provided at its outer and smaller end with a spray cap 5 which is mounted upon a bracket 6 so that it may be moved away from the end of the nozzle to an inoperative position. This spray valve 5 has a sinuous opening 11, through which the water passes to become spray. A spring valve 7 of substantially semi-circular form at its forward end and conforming to and

riveted or otherwise affixed to the rear end of the nozzle is operated by a thumbscrew 8 which when moved inwardly depresses the forward end of said valve as indicated in dotted outline in Fig. 3 and thus decreases the volume of water which may pass through the nozzle and the cap. An arm 9, having a locking member 10 for securing the arm and spraying cap in position, is mounted upon the spray valve in any suitable manner as for instance, as is shown in Fig. 1.

The spring valve 7, comprises a plate shaped to conform with the inner wall of the nozzle and secured thereto, the said plate being cut away towards its front and shaped to conform and fit the inner wall of the nozzle, the said plate being substantially semicircular in form, so that when it is depressed by the screw A, it will move downward as shown in dotted lines in Fig. 3, thus partially closing the nozzle.

I do not limit myself to the particular construction shown as it may be altered within reasonable limits without departing from the spirit of my invention.

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

1. A nozzle elliptical in cross section, a spring valve comprising a plate shaped to conform to the inner wall of the nozzle and secured thereto, said plate being cut away toward the free end thereof to substantially a semicircular cross section, and a screw threaded through the nozzle and engaging the outer face of the plate, whereby to move said plate to restrict the passage of liquid through the nozzle.

2. The combination with a nozzle, of a spraying cap having an opening therethrough and pivoted to the end of the nozzle, an arm rigid with the cap and a locking member pivoted to the arm and adapted to engage opposite faces of the nozzle, whereby to lock said cap in open or closed position.

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

SUGAJI SUZUKI.

Witnesses:

C. R. HOLLINGSWORTH,
MAY MORAN