June 7, 1927.

1,631,167

R. TEREAU

NOZZLE

Filed Dec. 14, 1925

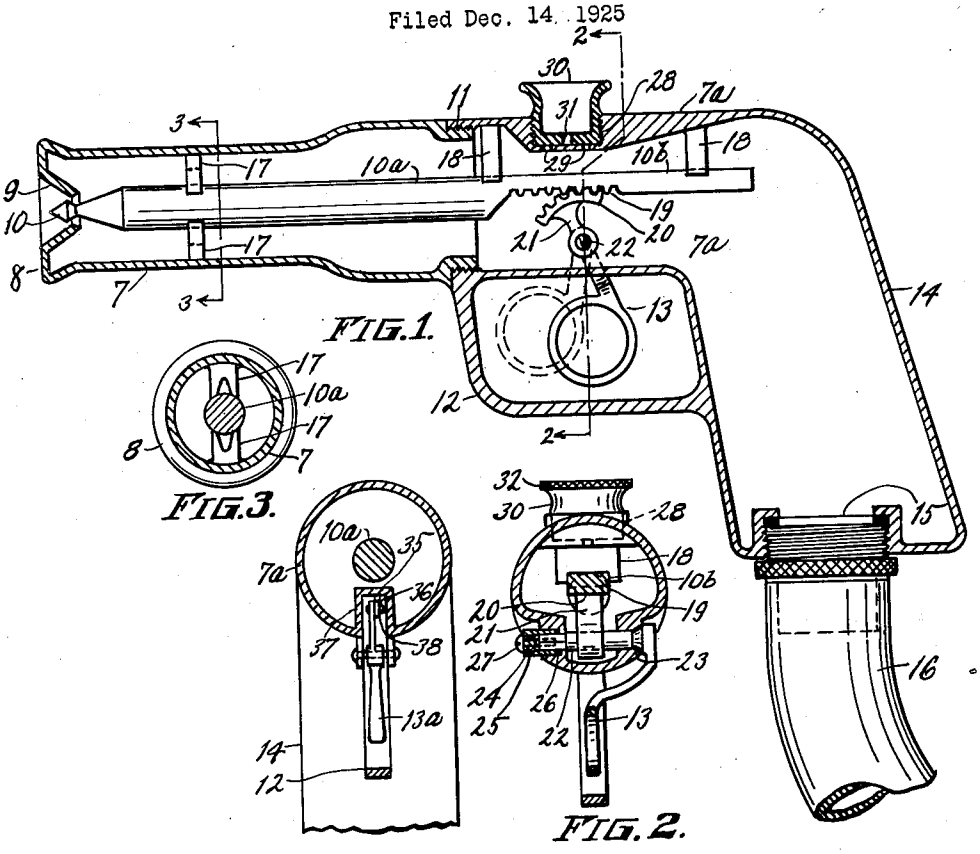


FIG. 1.

FIG. 3.

FIG. 2.

INVENTOR:
Russell Tereau
BY David E. Carlsen
ATTORNEY.

Patented June 7, 1927. 1,631,167

UNITED STATES PATENT OFFICE.

RUSSELL TEREAU, OF ST. PAUL, MINNESOTA.

NOZZLE.

Application filed December 14, 1925. Serial No. 75,273.

My invention relates to nozzles and nozzle holders for lawn hose, and the objects are, first to provide a hose nozzle with means for holding it conveniently when in use; second, to provide a hose nozzle with a spraying device operable by the hand holding the nozzle. A third object is to provide a nozzle of an interesting design in that the nozzle resembles a pistol shooting water from its muzzle while the hilt serves as a handle and the trigger is used for regulating the spraying device.

In the accompanying drawing:

Fig. 1 is a longitudinal vertical section of the nozzle attached to a hose and resembling a revolver, and a drinking cup or outlet at the upper side.

Fig. 2 is a cross section on the line 2—2 in Fig. 1.

Fig. 3 is a cross section on the line 3—3 in Fig. 1.

Referring to the drawing by reference numerals, 7 designates the nozzle proper having a water outlet 8 with a funnel shaped guard 9 to limit the spraying of water when the valve point 10 is pushed forward to cause spraying of water. The part 7 may be regarded as the barrel of a revolver the rear portion of which may be threaded onto the barrel as at 11 in Fig. 1 while the portion further back forms the regular trigger guard 12 for a trigger 13 and the hilt 14 having a water inlet 15 threaded for the end of the water hose 16.

The valve plug is in Fig. 1 shown as a rod 10^a the front portion of which may be round and guided by lugs as 17 while the rear portion has its lower side formed as a rack 19 said latter portion being preferably rectangular in cross section and guided in notches of lugs 18. Said rack is engaged by a toothed segment 20 having a radial arm 21 the lower end of which is secured on a rock-shaft 22 journaled in the shell or body of the body 7^a of the device. Firmly secured at one end of the shaft 22 is a rocker arm forming the trigger 13. 23 designates a ground joint preventing leakage of water around the shaft. The other end of the shaft is square and slidably fitted in a square hole 24 in the bottom of a stuffing box 25 pressing on packing 26. 27 is a cap screw threaded into the end of the shaft and serving to adjust the stuffing box against the packing and also to draw the ground joint 23 tight.

In the upper side of the hollow body 7^a I provide a cylindrical cavity 28 with one or more holes 29 through its bottom. Into said cavity I thread the lower portion of a small drinking cup 30 having its bottom provided with a small hole 31 and its brim provided with a roughened edge 32 (see Fig. 2) affording a good hold of it so it may be turned by the fingers until the water gets a chance to flow up through the apertures into the cup at any desired speed according as the cup may be turned. By turning the cup in the reverse direction the drinking water is of course shut off.

In the operation of the form shown in Figs. 1 and 2 the hilt 14 is held in the hand and the trigger may be operated by either the index or middle finger of the same hand. As the trigger is moved rearward the point 10 of the valve will project through the valve seat at 8 and cause the stream of water to spread as desired. The trigger is supposed to stay wherever it may be released, by the frictional contact at both ends of shaft 22.

What I claim is:

A nozzle resembling a pistol in form and having a hollow body, barrel and hilt and a connection for a supply hose on the hilt, and the muzzle of the barrel having a reduced outlet opening, a valve arranged at said opening and having a rod slidable but not rotatable in the barrel and body, and provided at the under side of its rear portion with a rack, a toothed sector engaging the rack, a shaft fixed in the sector and journaled in the body of the device, a trigger fixed on one end of said shaft and disposed in a trigger-guard in the lower part of the body.

In testimony whereof I affix my signature.

RUSSELL TEREAU.