

C. REVAILLOT.  
 SPRAY DEVICE.  
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952,947.

Patented Mar. 22, 1910.

Fig. 1.

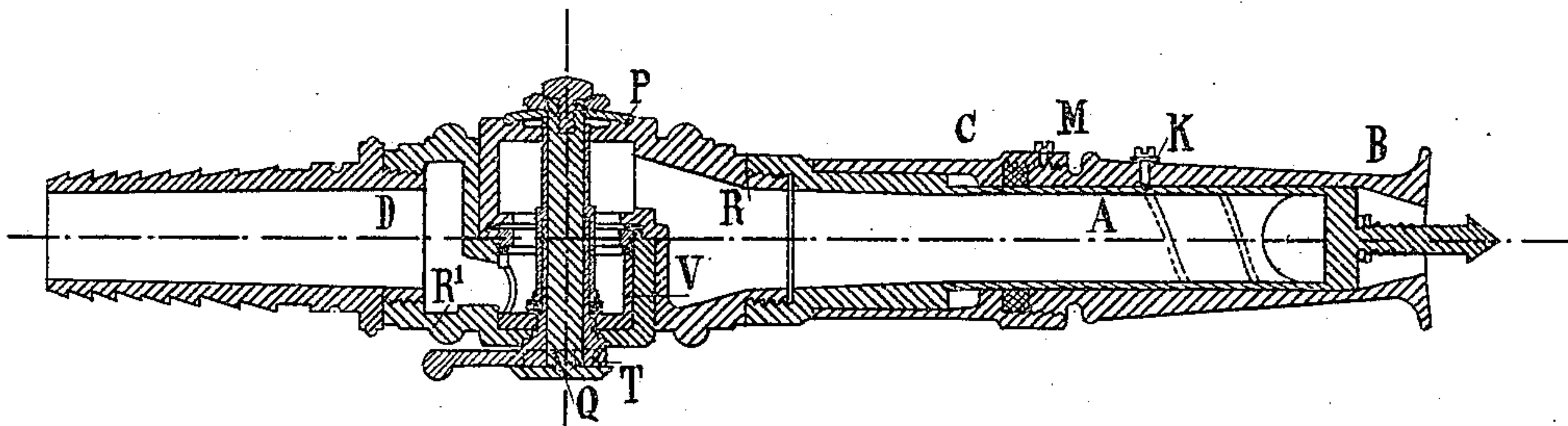


Fig. 2.

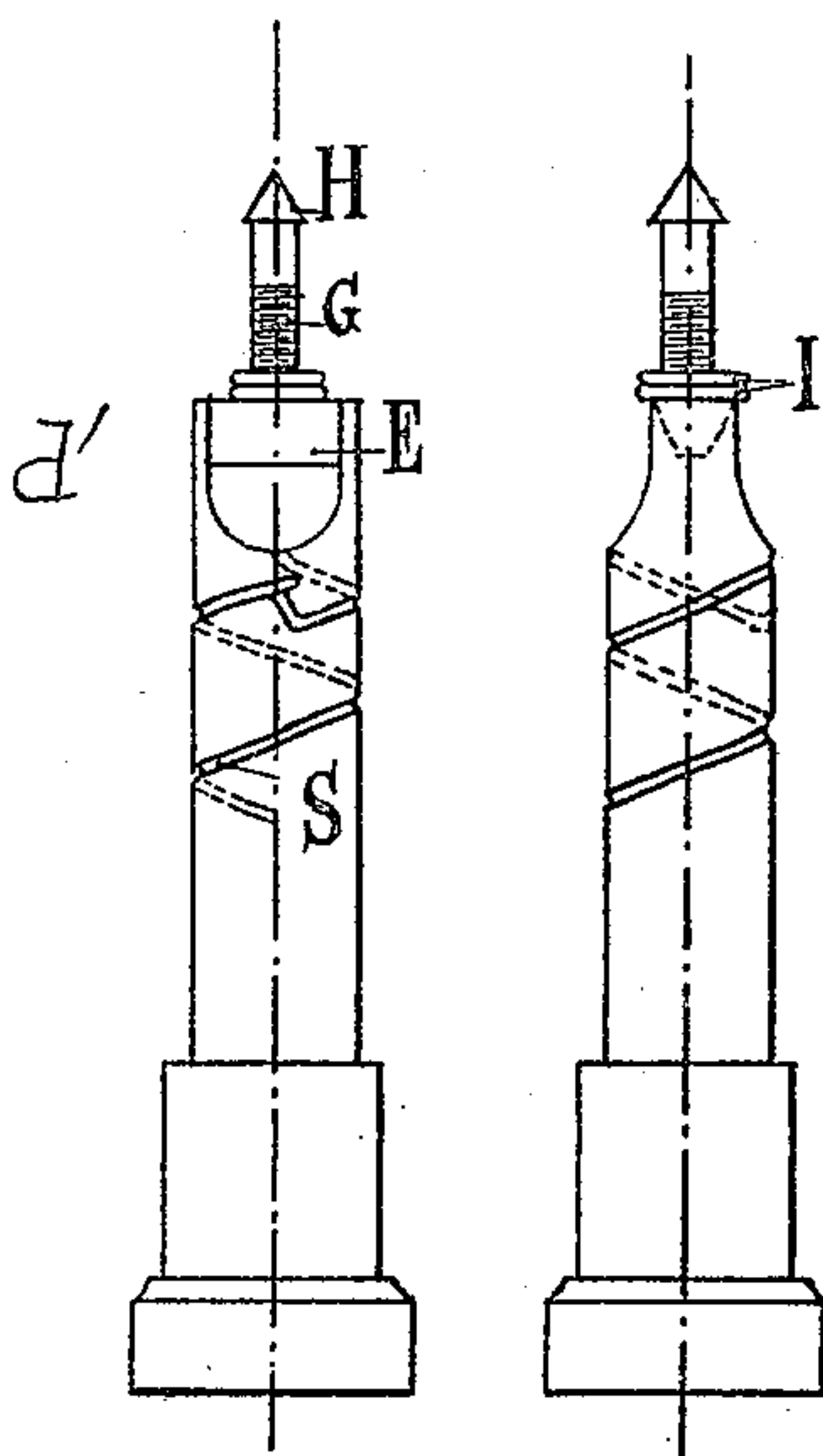
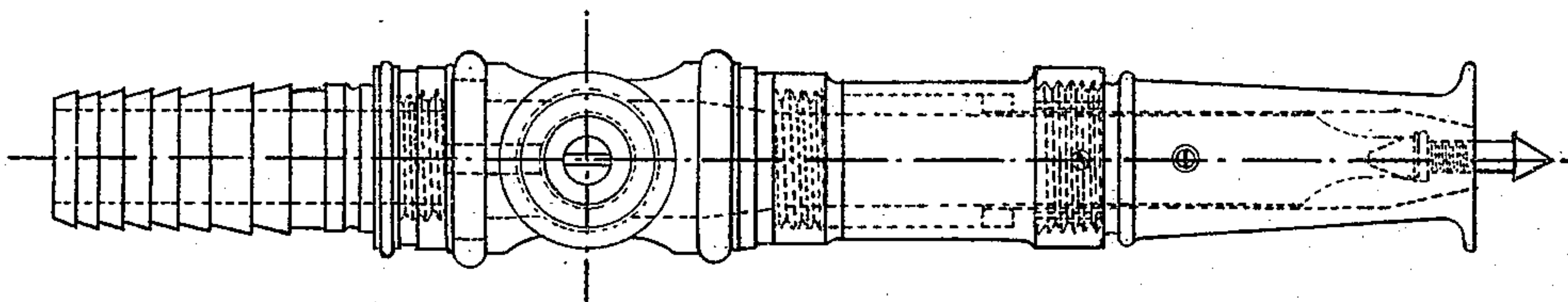


Fig. 3.

Witnesses:  
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# UNITED STATES PATENT OFFICE.

CLAUDE REVAILLOT, OF NICE, FRANCE.

## SPRAY DEVICE.

952,947.

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*To all whom it may concern:*

Be it known that I, CLAUDE REVAILLOT, a citizen of the Republic of France, residing at Nice, in France, have invented certain new and useful Improvements in Spray Devices, of which the following is a specification.

This invention has for its object to provide a spraying apparatus for producing various graduated sprays from the same aperture and operating under all pressures, from the fire extinguishing jet to the pulverizing jet. The jet or spray may be adjusted by simply moving parts of the nozzle.

The nozzle is mounted on a hinged joint, which allows for the jet or spray to be directed in any and all directions without twisting the hose-pipe, as is the case with the usual pipe nozzle or jet. The same is illustrated in the annexed drawings in which—  
Figure 1 is a longitudinal section of the mounted device, Fig. 2 is an elevation of the device and Fig. 3 shows two views, at right angles to each other, of the inner member removed.

The part A, shown detached in Fig. 3, is threaded at its lower end, which end is connected to the hinged part or with the part D carrying the hose-pipe. The end of this pipe is formed with two wedge shaped projections  $d'$ , connected by a member E V-shaped in cross section, in which is secured a threaded rod which carries on the top a small cone H and two nuts. The various sprays are obtained by moving these nuts, which are neutral when resting on the member E (when the thickest spray is obtained) the finest spray being obtained, when the nuts are at the upper part and are forming one block with the cone. A more or less fine spray is obtained as the nuts are brought farther from or nearer to the cone.

The surface covered by the spray is reduced and the jet is elongated, when the basis of the cone (or block formed by the nuts and the cone) is brought nearer the edges of the aperture of the sheath B.

When the cone begins to enter the sheath or sleeve, the water begins to escape in a straight jet of varying length. On this part

A are the spiral grooves S, in which the screw K enters to work as a nut.

The member B carries at the upper portion a strong edge for protecting the cone against shocks. The lower end of this member is screw threaded for engaging the part C; the same is provided with four longitudinal notches made in the thread and in one of which engages the screw M for preventing the unscrewing.

The part or member C carries a milled crown for holding the same in the hand. In the interior and under the crown is located an india rubber ring secured by a shoulder and pressed as required by screwing the member B into the member C. The joint comprises two main parts R—R' shown in the longitudinal section, Fig. 1. Within one of these parts is arranged the valve V for instantaneously stopping the water entering the device, when required. The tight joint is secured by the packings and both members are connected together by a bolt Q and a nut. This bolt carries under the nut a large plate P retained by a flat part used as a brake, so that the joint is always tight. The valve is turned independently of the bolt by the tube T which at the same time carries the closing part.

What I claim as new is:

1. A spray device comprising a member for connection with a hose, a nozzle hinged thereto, a member of the nozzle carrying a cone, nuts on said member, and an adjustable sheath mounted on said member.

2. A spray device comprising a member for connection with a hose, a nozzle hinged thereto, a member of said nozzle carrying a cone, nuts on said member, an adjustable sheath mounted on said member, and means for preventing unscrewing of the parts.

3. A spray device comprising a member for connection with a hose, a nozzle hinged thereto, comprising a member A threaded at one end and provided with wedge-shaped projections at the other end, a member V-shaped in cross section connecting the wedge-shaped projections, a threaded rod carried by said V-shaped member, a cone



on said rod and nuts carried by said rod and a sheath adjustable on said member A.

4. A spray device comprising a member A threaded at one end and provided with  
5 wedge-shaped projections, a member V-shaped in cross section connecting the wedge-shaped projections, a threaded rod carried by said member, a cone on said rod and nuts carried by said rod, a sheath ad-

justable on said part A, said part A being 10 provided with spiral grooves, and a screw cooperating with said grooves.

In testimony whereof I affix my signature.

CLAUDE REVAILLOT.

In the presence of—

H. C. COXE,

GEORGE RIGOT.