No. 876,301. PATENTED JAN. 7, 1908.

S. CUNNINGHAM.

WASHER FOR FIRE HOSE.

APPLICATION FILED AUG. 30, 1907.

Fig. 1.

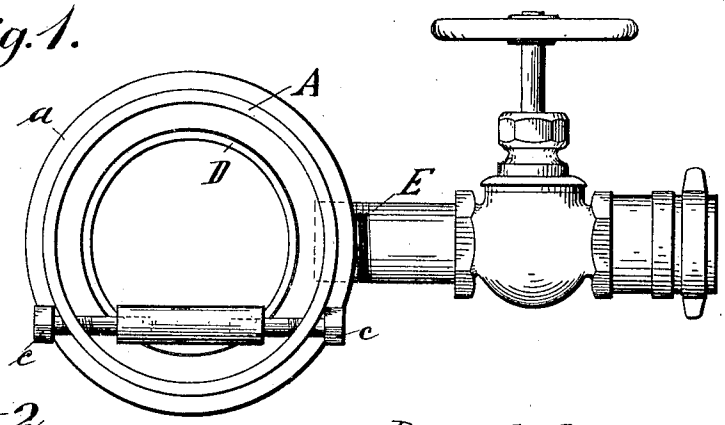


Fig. 2.

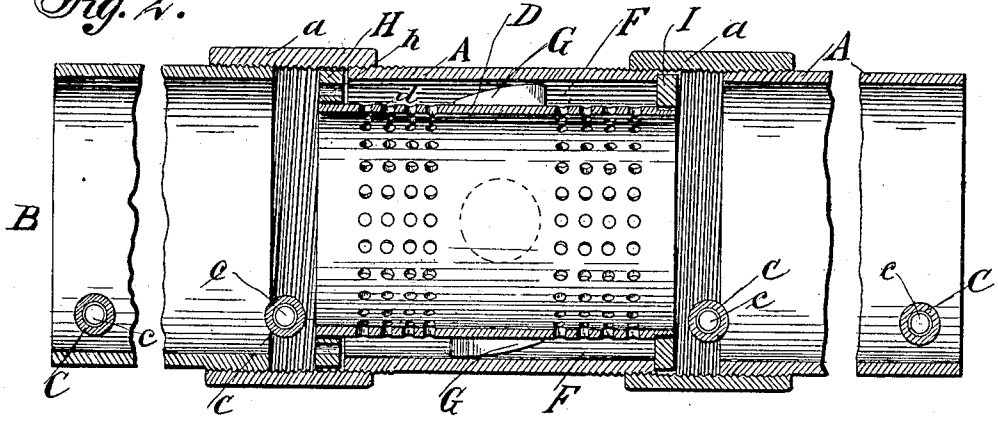


Fig. 3.

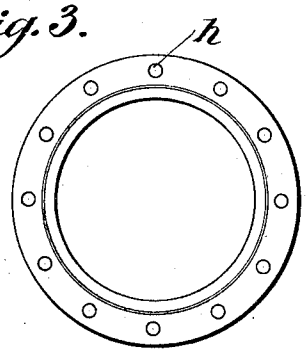
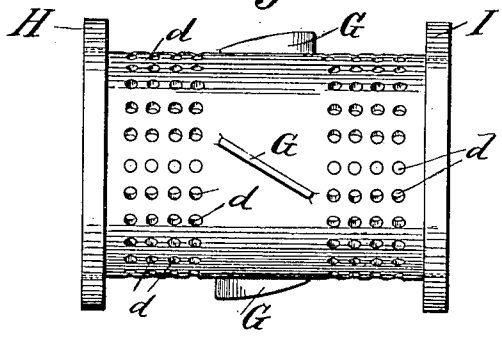


Fig. 4.



Witnesses

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WASHER FOR FIRE-HOSE.

No. 876,301. Specification of Letters Patent. Patented Jan. 7, 1908.

Application filed August 30, 1907. Serial No. 390,768.

To all whom it may concern:

Be it known that SAMUEL CUNNINGHAM, a citizen of the United States, residing at Lockport, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Washers for Fire-Hose, of which the following is a specification.

This invention is a washer for fire hose and the like and has for its object to provide an improved device for the purpose stated, as will more fully appear hereinafter. It is characterized particularly by rotary parts which cause the water to whirl around the surface of the hose being washed, thereby effectively cleaning the same.

The invention is illustrated in the accompanying drawings, in which,

Figure 1 is an end view of the device. Fig. 2 is a vertical longitudinal section. Fig. 3 is an end view, and Fig. 4 is a side view, of a rotary sleeve forming part of the device.

In the embodiment shown in the drawings the device has three pipe sections A united by screw couplings *a*, and provided with rollers C so that the hose may be readily drawn through said pipe. The rollers are held in position by set screws *c* which are tapped through the sides of the pipe and which form journals on which the rollers turn.

Located within the middle section of the pipe sections A is a rotary sleeve D having a large number of perforations *d* in the ends thereof, the middle part being solid and provided with inclined ribs G projecting on the outside. This sleeve has at one end a ring H fast thereon and said ring has a series of perforations *h*. At the other end the sleeve has a ring I fixed thereon. These rings project diametrically beyond the inner surface of the pipe sections and into the space between the ends of the pipe sections, whereby the sleeve is held in its position, loosely however, and with freedom to rotate within the pipe. A supply pipe E, for water, is tapped into the side of the middle section A, and discharges into the space F between the pipe and the sleeve.

In use, the washer is placed with the end B slightly lowered, and the hose to be washed is passed through said end B and over the rollers C and out the other end, and may then be elevated to the drying tower. Water is admitted through the pipe E and enters the space F, and by its pressure on the ribs G causes the sleeve D to rotate. The water enters through the perforations *d* in a series of fine jets and washes the hose passing through said sleeve. The rotation of the sleeve D causes a whirling action to the water which is very effective for the purpose intended. A portion of the water also flows out through the holes *h* in the ring H and passes directly down or out over the surface of the hose and provides a first washing which carries away most of the loose dirt and prepares the hose for its final washing within the rotary sleeve D.

The invention is not limited to the exact embodiment shown, but obviously various changes may be made within the scope of the invention and the following claims.

I claim:—

1. A hose washer comprising a pipe, a rotatable perforated sleeve therein, through which the hose is drawn, and means to cause a flow of water through the perforations in the sleeve.

2. A hose washer comprising a pipe, a rotatable perforated sleeve in the pipe and spaced therefrom to form an annular water chamber, and a water supply pipe to said chamber.

3. A hose washer comprising a pipe having a water supply inlet in the side thereof, a rotatable sleeve in the pipe, having jet holes therethrough and inclined ribs on the outside thereof, and rings at the ends of the sleeve, one of said rings having jet holes therethrough.

In testimony whereof I affix my signature, in presence of two witnesses.

SAMUEL CUNNINGHAM.

Witnesses:

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