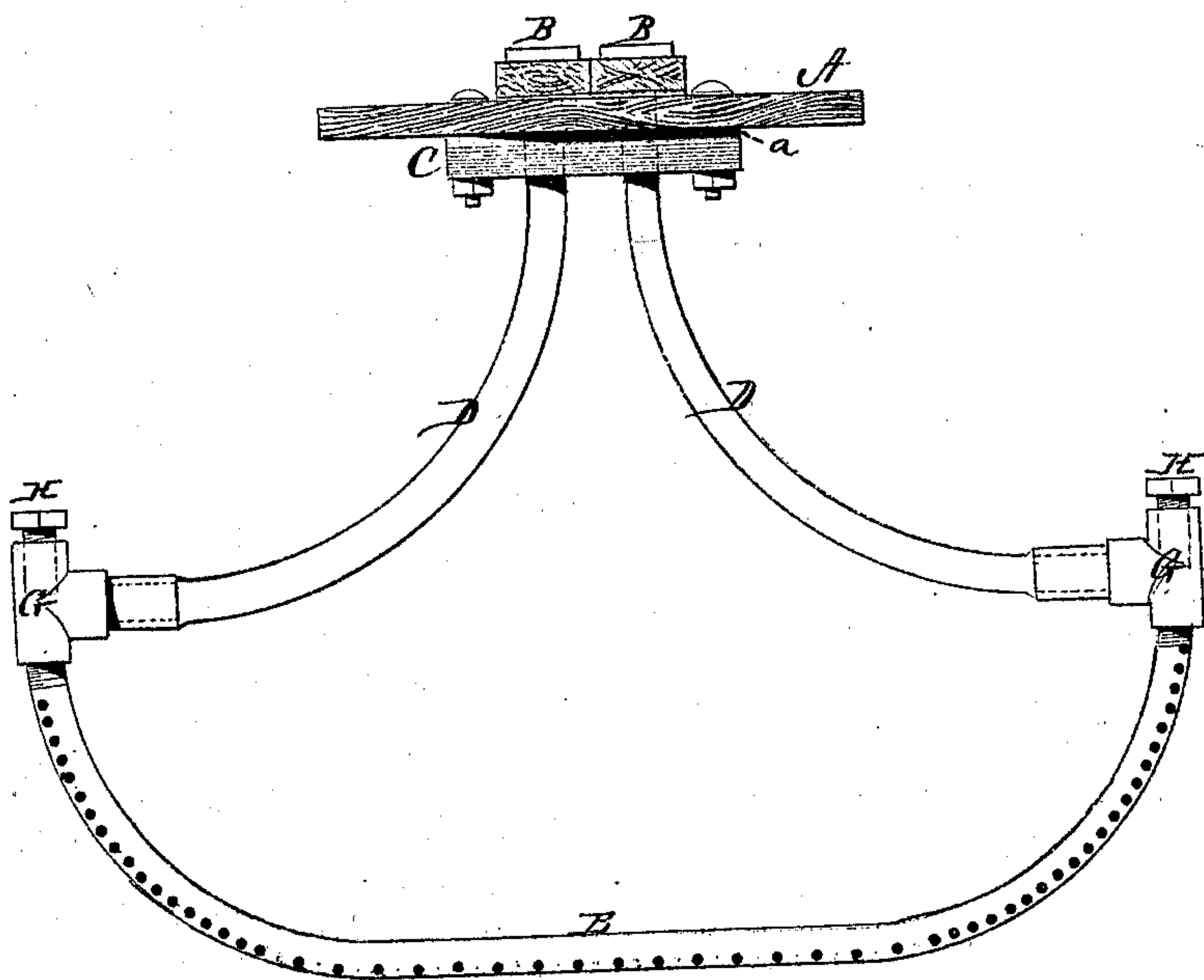


McCannell & Fringle,

Street Sprinkler.

No. 97,422.

Patented Nov. 30. 1869.



WITNESSES

C. L. Evers
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INVENTOR

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United States Patent Office.

R. Y. McCONNELL AND GEORGE PRINGLE, OF ROCHESTER, NEW YORK.

Letters Patent No. 97,422, dated November 30, 1869.

IMPROVEMENT IN STREET-SPRINKLERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, R. Y. McCONNELL and GEORGE PRINGLE, of Rochester, in the county of Monroe, and in the State of New York, have invented certain new and useful Improvements in Street-Sprinklers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in the construction and arrangement of a street-sprinkler, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which our invention appertains, to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawings, which represent a rear view.

A represents the bottom of the water-tank, in which are two valves, B B, through which the water is allowed to pass.

These valves are operated by the driver by means of two cords, so that he can open one or both, at pleasure, or shut off the water entirely.

On the under side of the bottom A is secured a block, C, to which are attached two leather, rubber, or other flexible tubes, D D, said block being provided with holes corresponding with the holes in the bottom A, covered by the valves B B.

Between the bottom A and block C is inserted a piece of leather, a, with suitable holes, which leather is for the purpose of keeping the joint water-tight.

The flexible tubes D D are connected with the sprinkler E, of the shape shown in the drawing, by means of the joints G G, which have each a screw, H, at the end.

The sprinkler E is made of hydraulic tubing or gas-pipe, two inches or two and a half inches in diameter, as the case requires, with only one row of holes drilled a little above the centre of the pipe, being closer at the ends and around the circle than in the centre, for the purpose of allowing sufficient water to escape at the circle to allow for the greater amount of ground it covers than the centre, so that all parts will be evenly sprinkled.

The sprinkler is held in position by means of suitable braces that are attached to the frame of the wagon.

By taking the water into the sprinkler at both ends, as above described, we get the pressure to spread the water where it is required.

The screws H H, in the ends of the sprinkler, can be taken out, for the purpose of cleaning out the pipe without taking out the tubing, which can be done by taking out one of the screws, and opening the opposite valve, while the tank is full of water.

Having thus fully described our invention,

What we claim as new, and desire to secure by Letters Patent, is—

1. The sprinkler E, constructed, as described, of hydraulic tubing or gas-pipe, and provided with one row of holes, drilled a little above the centre, and closer around the circle and at the ends than in the centre, substantially as and for the purposes herein set forth.

2. The sprinkler E, taking the water in at each end, thereby giving the pressure at the side where it is wanted, substantially as herein set forth.

3. The flexible tubes D D, connected to the water-tank by means of a supplementary block, C, secured to the bottom of the tank, substantially as herein set forth.

4. The double valves, placed inside of the water-tank, so as to be able to let on water at either side, or together, at pleasure, substantially as herein set forth.

5. The screws H H, in the ends of the sprinkler E, for the purpose of cleaning, substantially as herein set forth.

6. The combination and arrangement of the bottom A, valves B B, supplementary block C, flexible tubes D D, sprinkler E, joints G G, and screws H H, all constructed as described, and operating substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing, we have hereunto set our hands and seals, this 20th day of September, 1869.

R. Y. McCONNELL. [L. s.]
GEORGE PRINGLE. [L. s.]

Witnesses:

PATK. McINTYRE,
WM. BROWN.