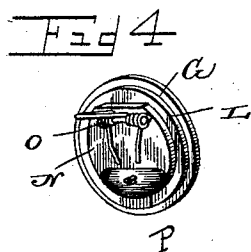
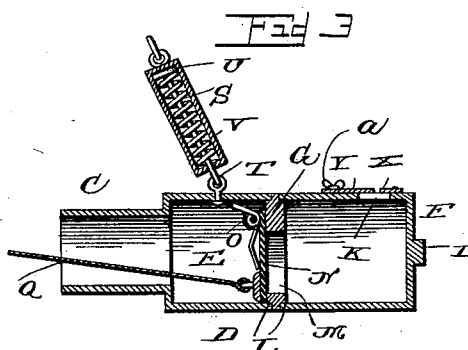
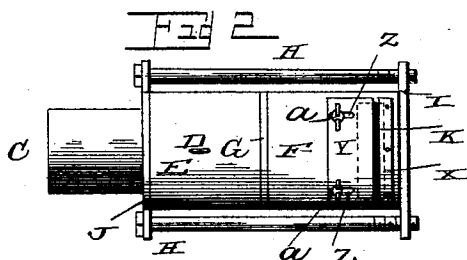
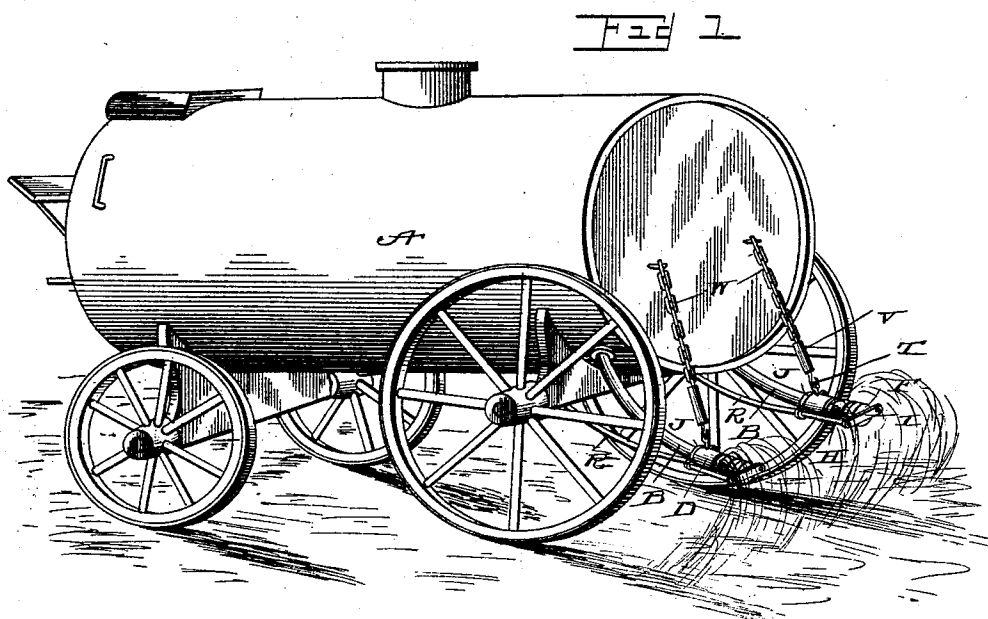


(No Model.)

A. W. BECKER & E. HENRY.
STREET SPRINKLER.

No. 487,508.

Patented Dec. 6, 1892.



Witnesses

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UNITED STATES PATENT OFFICE.

ANTHONY W. BECKER AND EDWARD HENRY, OF JACKSONVILLE, ILLINOIS.

STREET-SPRINKLER.

SPECIFICATION forming part of Letters Patent No. 487,508, dated December 6, 1892.

Application filed July 21, 1892. Serial No. 440,835. (No model.)

To all whom it may concern:

Be it known that we, ANTHONY W. BECKER and EDWARD HENRY, citizens of the United States, residing at Jacksonville, in the county of Morgan and State of Illinois, have invented certain new and useful Improvements in Street-Sprinklers; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Our invention relates to improvements in street-sprinklers; and it consists in certain novel features hereinafter described and claimed.

In the annexed drawings, Figure 1 is a perspective view of a watering-cart provided with our improved sprinkler. Fig. 2 is a side elevation of the sprinkler. Fig. 3 is a longitudinal section of the same, and Fig. 4 is a detail view of the valve.

Referring more particularly to the drawings by letter, A designates the watering-cart, which may be of the usual construction and of any desired size and is provided at its rear end with the water-tubes B, as shown. These water-tubes may be of rubber hose or of any suitable material, and they have their lower ends fitted on the nipples C, projecting from the ends of the cylinders D. These cylinders D are constructed in two sections E F, which fit upon a central disk G and are held together by clamping-bolts H. The clamping-bolts have their outer ends secured in lugs I at the end of the outer section F of the cylinder, while their inner ends may be secured in similar lugs at the inner end of the inner section, but are preferably secured in the perforated ends of a collar J, which is fitted on the nipple B and rests against the shoulder presented by the end of the cylinder. The outer section of the cylinder is provided with an arrow transverse slot K, near its outer end, through which the water rises and escapes in a spray, as indicated in Fig. 1.

The central disk G is provided with the annular shoulders L, on which the ends of the

cylinder-sections rest, so that when the clamping-bolts are turned home the disk will be held securely by and between the cylinder-sections. In the lower portion of the disk we provide an opening M, which forms a communication between the two sections of the cylinder, and is normally covered by a flap-valve N, as shown. This flap-valve is preferably constructed of leather or some similar material, so that when lying against the disk it will fit water-tight against the same and effectually prevent the flow of water through the opening M. The valve is hinged at its upper end to the disk and is pressed toward the same by springs O. In order to aid the springs in holding the valve against the disk we secure a weight P on the lower end of the same, as clearly shown.

Q designates an operating cord or chain which is secured to the valve and extends up through the water-tube and the cart to the driver's seat.

The cylinders are supported by brackets R, projecting from the rear axle of the cart, and in order to relieve the strain on said brackets and to reduce the vibration of the cylinders we provide the springs S. These springs are arranged around the hooks T, which have their lower ends engaging the cylinders and their upper ends provided with shoulders or enlargements U, against which the upper ends of the springs bear. The lower end of each spring rests upon the lower end or cross-bar of the casing V in which the hook T plays and which is suspended from the rear end of the cart by a chain W, as shown.

In order that the water may escape in a fine or heavy spray at the will of the attendant, as circumstances may require, we secure the plates X Y on the outer side of the cylinder with their adjacent edges projecting over the transverse slot therein. The plate X is secured rigidly in place; but the plate Y is provided with the longitudinal slots Z and is secured in place by means of set-screws α , inserted through said slots into the cylinder. It is obvious that this plate can be adjusted to and away from the plate X and secured in its adjusted position, and that as the water escapes between the plates its volume will be

determined by the distance between the adjacent edges of the plates. The rigid plate could of course be dispensed with; but we prefer to use it, as the movable plate can then
5 be made smaller and lighter.

The construction and arrangement of the several parts of our device being thus made known, the operation of the same will be readily understood. The cart is filled with
10 water in the usual manner and drawn over the street or road to be sprinkled. As long as the valve is closed no water will escape; but when the cart has reached the part of the road to be acted upon the driver pulls on the
15 cord or chain, so as to open the valve, and the water then rushes through the cylinder and escapes through the transverse slot in a spray, as will be readily understood.

It will be readily seen that we have provided a very cheap and simple sprinkler,
20 which can be easily manipulated and is not liable to get out of order. Should any of the parts become broken or worn out, the proper repairs can be quickly and easily made with-

out necessitating the provision of an entirely new sprinkler. 25

Having thus fully described our invention, what we claim, and desire to secure by Letters Patent, is—

The combination of the central disk having annular shoulders in its edge on both its faces and provided with a valve-opening, the cylinder-sections having their adjacent ends engaging said shoulders, one of said sections having a closed end and provided with a narrow outlet-slot in its upper side, securing-
30 bolts clamping the sections together, a weighted valve mounted on the central disk and adapted to close the valve-opening therein, and a controlling-cord secured to said valve
35 and passing out through the inlet-opening. 40

In testimony whereof we affix our signatures in presence of two witnesses.

ANTHONY W. BECKER.
EDWARD HENRY.

Witnesses:

BAZZILL DAVENPORT,
JNO. C. MCBRIDE.