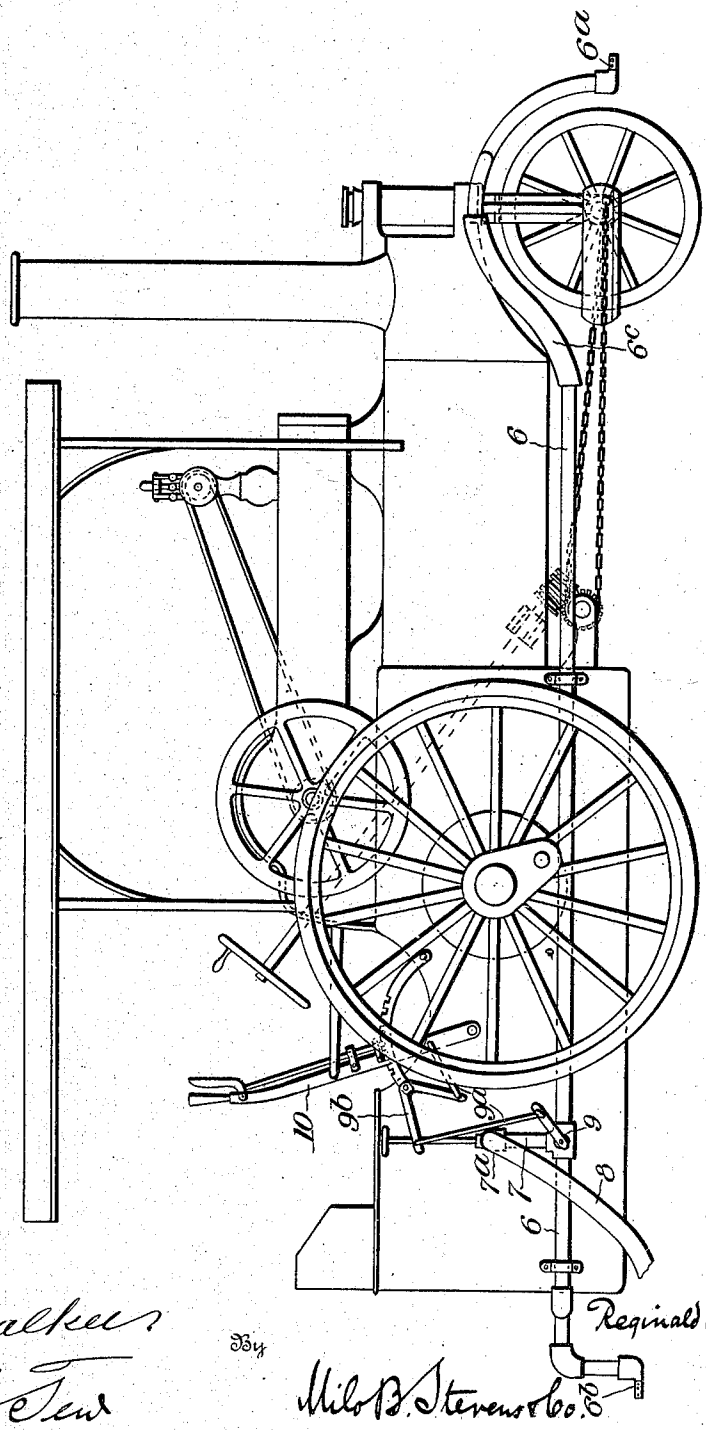
No. 738,748. PATENTED SEPT. 15, 1903.

R. D. ALDRICH.

SPRINKLER ATTACHMENT FOR ROAD ROLLERS.

APPLICATION FILED JAN. 3, 1903.

NO MODEL.



Witnesses
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No. 738,748. Patented September 15, 1903.

UNITED STATES PATENT OFFICE.

REGINALD D. ALDRICH, OF CHICAGO, ILLINOIS.

SPRINKLER ATTACHMENT FOR ROAD-ROLLERS.

SPECIFICATION forming part of Letters Patent No. 738,748, dated September 15, 1903.

Application filed January 3, 1903. Serial No. 137,727. (No model.)

To all whom it may concern:

Be it known that I, REGINALD D. ALDRICH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sprinkler Attachments for Road-Rollers; and I do hereby 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 drawing, and to the figures of reference marked thereon, which forms a part of this specification.

This invention comprises a sprinkling device for road-rollers, and is particularly useful in connection with such rollers in the preparation of roads or streets for paving and in laying and finishing the pavement thereof.

In preparing roads for macadam or other paving and in laying such pavement, particularly in macadamizing, it is necessary or desirable that the road be watered before being rolled or rammed, and heretofore this has usually been done by a sprinkling-cart. The objection exists to this that the cart-wheels cut up the prepared road and the wheels and horses are apt to dislodge or disarrange the surfacing.

The object of my invention is to avoid the objection mentioned and to save time and labor by attaching sprinklers to the road-roller supplied by hose connection with any convenient plug or street-main and automatically governed to sprinkle the water before or behind the roller, according to the forward or backward movement thereof.

In the accompanying drawing the figure is a side elevation of a road-roller provided with my improvement.

Referring specifically to the drawing, 6 indicates a pipe carried by the roller and having connection with front and rear sprinklers, (indicated at 6^a and 6^b, respectively.) These sprinklers may be of any suitable or proper kind and of sufficient size to water the track of the roller. A flexible section is inserted in the pipe at 6^c to accommodate the movement of the front steering-wheel.

Leading to the pipe 6 are a pipe 7 and hose 8, the latter being connected to any convenient faucet or street-plug and being of sufficient length to permit the customary extent of travel by the roller at work. At 7^a in the pipe 7 is a stop-cock to shut off the flow when desired.

At the junction of the pipes 6 and 7 a three-way cock 9 is placed to supply water to either sprinkler. This cock is controlled by a connection with the reversing-lever 10 of the engine, being connected thereto by rods 9^a and bell-crank 9^b, so that when the lever is thrown to go ahead the cock is turned to admit water through the forward sprinkler, and when the engine is reversed the water is accordingly admitted to the rear sprinkler. Obviously the parts could readily be so arranged as to sprinkle behind the roller instead of in front thereof, if it were so desired.

The supply-hose 8 will be dragged along by the roller, and it will usually be found necessary to employ a workman to keep it out of the way of the roller, but even so the device will have great advantages of economy and saving of labor over the practice heretofore.

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

1. The combination with a road-roller and its engine, of a sprinkler carried thereby, means to jointly control the sprinkler and engine, and a water-supply for the sprinkler.

2. The combination with a road-roller and its engine, of front and rear sprinklers carried thereby, a pipe leading to the sprinklers, and a valve in the pipe connected to a movable part of the engine and controlling the flow to the sprinklers according to the direction of the engine.

3. The combination with a road-roller and its engine, of front and rear sprinklers, a supply-pipe thereto, a valve in the pipe, and a connection between the valve and the reversing-lever of the engine, directing the flow to either sprinkler according to the direction of the engine.

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

REGINALD D. ALDRICH.

Witnesses:
SIGNA FELTSKOG,
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