

No. 719,260.

PATENTED JAN. 27, 1903.

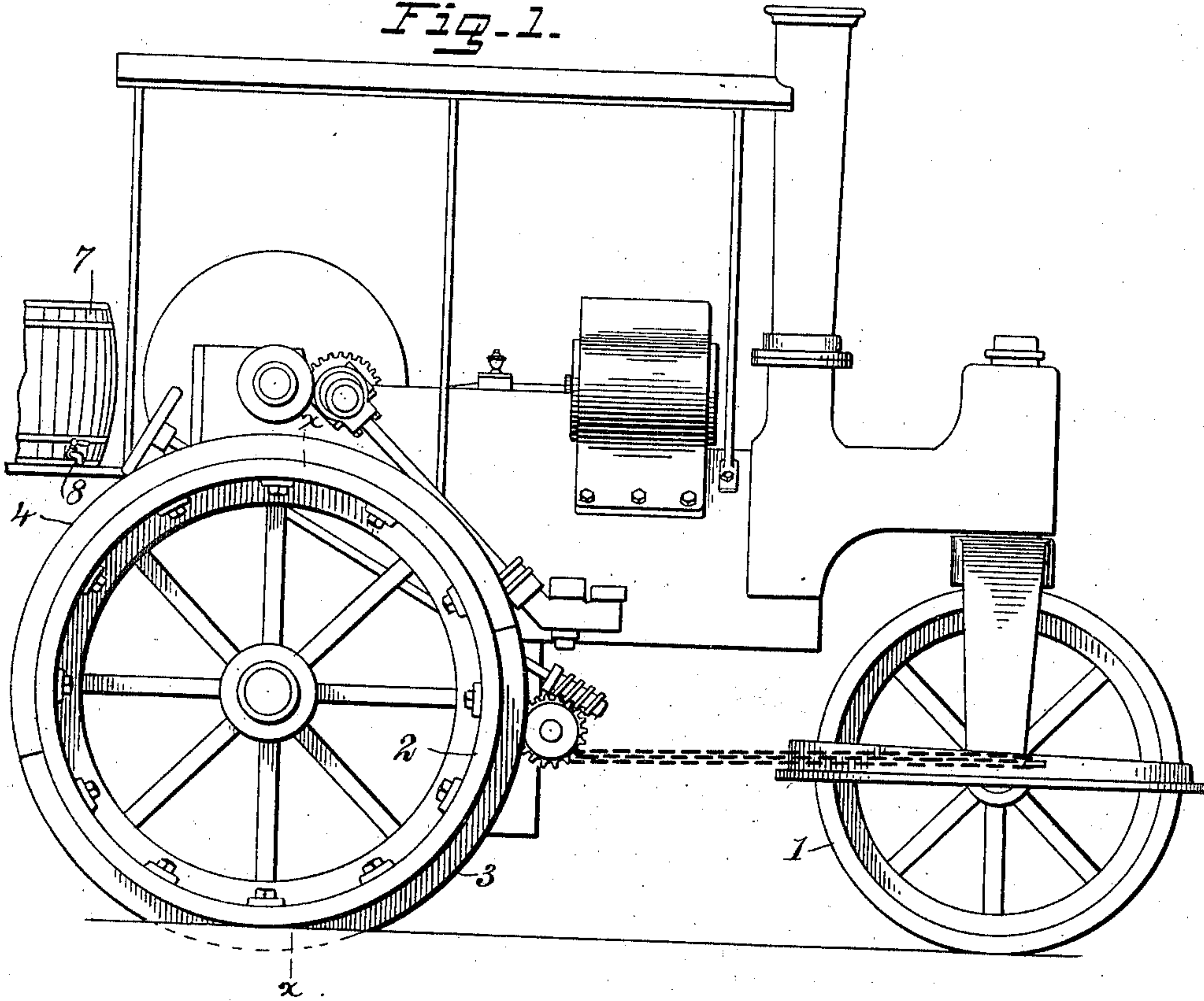
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ASPHALT CUTTING ATTACHMENT FOR STEAM ROLLERS.

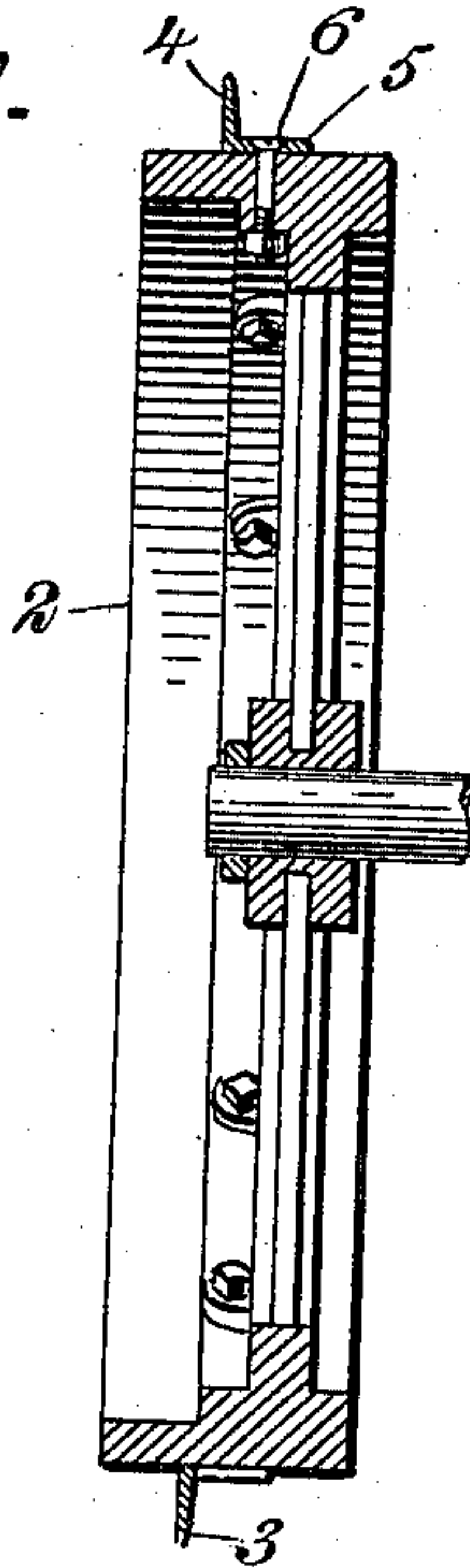
APPLICATION FILED JULY 30, 1902.

NO MODEL.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOSEPH RICHARDS, OF NEW YORK, N. Y.

## ASPHALT-CUTTING ATTACHMENT FOR STEAM-ROLLERS.

SPECIFICATION forming part of Letters Patent No. 719,260, dated January 27, 1903.

Application filed July 30, 1902. Serial No. 117,655. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH RICHARDS, a citizen of the United States, and a resident of the city of New York, borough of the Bronx, in the county and State of New York, have invented a new and Improved Asphalt-Cutting Attachment for Steam-Rollers, of which the following is a full, clear, and exact description.

This invention relates to an improved means for cutting asphalt in street-repairing. It is an ordinary practice in repairing asphalt pavements to cut through the asphalt to be removed by means of wedges or chisels. This requires two men—one to hold the wedge and the other to handle the sledge—so that the operation is slow and consequently expensive.

It is the object of my invention to provide a cutter in connection with a steam-roller whereby the cutting may be quickly and evenly done.

I will describe an asphalt-cutting attachment for steam-rollers embodying my invention and then point out the novel features in the appended claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a side elevation of a steam-roller with a cutter embodying my invention thereon, and Fig. 2 is a section on the line  $xx$  of Fig. 1.

Referring to the drawings, 1 designates the front roller of the steam-roller, and 2 one of the rear rollers. Attached to the periphery of the roller 2 is the cutter, preferably shown as formed in two sections 3 4. By making

the cutter in two sections it may be more readily applied to the roller or removed therefrom. As a means for holding the cutter in place it is provided at one side at suitable intervals with perforated lugs 5, through which fastening-bolts 6 pass, these bolts being passed through the usual pin-openings formed in the rim of the wheel.

When the machine is operating, it may be necessary to apply water to the cutter. Therefore a tank 7 may be supported on the machine and the water allowed to pass out slowly through a spigot 8.

In the operation when the machine is passing along the pavement its great weight will force the cutter through the asphalt to the bed of the street. By moving the machine back and forth the cuts may be made as close together as desired, so that with ordinary tools blocks of asphalt may be readily broken out or lifted.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

In a steam-roller the combination with a rear roller thereof having pin-openings formed in its rim, of an asphalt-cutter extending around the rim and consisting of two segmental sections, perforated lugs extended laterally from said cutter and bolts passing through said perforations and pin-holes.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH RICHARDS.

Witnesses:

C. R. FERGUSON,

EVERARD BOLTON MARSHALL.