

H. PARK.
Lubricating Device.

No. 219,507.

Patented Sept. 9, 1879.

Fig. 1.

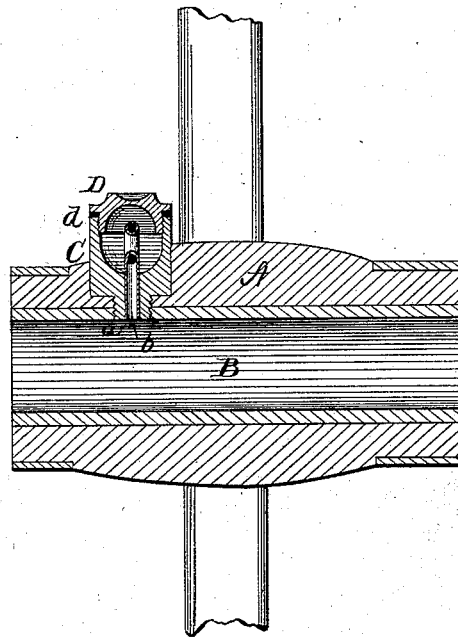
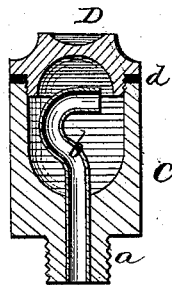


Fig. 2.



WITNESSES

F. L. Curran
J. J. McCarthy

INVENTOR

Horton Park
Alexander

ATTORNEYS

UNITED STATES PATENT OFFICE

HORTON PARK, OF MOUNT VICTORY, OHIO.

IMPROVEMENT IN LUBRICATING DEVICES.

Specification forming part of Letters Patent No. **219,507**, dated September 9, 1879; application filed July 17, 1879.

To all whom it may concern:

Beit known that I, HORTON PARK, of Mount Victory, in the county of Hardin, and in the State of Ohio, have invented certain new and useful Improvements in Lubricating Devices; 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 my invention consists in the construction and arrangement of a lubricator for carriage-wheels, or for any pulleys and wheels where the hub turns on a spindle, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a longitudinal section of a wheel-hub with my lubricator applied thereto. Fig. 2 is an enlarged vertical section of the lubricator.

A represents a wheel-hub, with axle-box B, of any suitable construction, secured therein. C is the oil-cup, provided with a projecting stem, *a*, having exterior screw-threads. In the hub A is made a suitable recess to receive the lower end of the oil-cup, the stem *a* being screwed into the axle-box B, as shown in Fig. 1.

Within the oil-cup is placed a tube, *b*, which is screwed or otherwise fastened in the stem *a*, and has its upper end curved somewhat in the form of a swan-neck, as shown in Fig. 2,

the end opening toward the direction which the wheel is to revolve in. The cup is then filled with oil, and the top D screwed on, a suitable rubber or leather washer, *d*, being placed under the top to make a tight joint, and to prevent the jar of the wheel from causing the top to come off.

At every revolution of the wheel the oil will flow from the cup through the tube to the spindle, while no matter at what position the wheel may stop, the oil will remain in the cup. This is owing to the curvature of the upper end of the tube *b*, as it is only for an instant during each revolution of the wheel, and only when the wheel revolves, that any oil will pass into the tube, and through the same to the spindle.

The size of the tube will regulate the flow of the oil.

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

In a lubricator for wheels and pulleys, the tube *b*, having its upper end curved, as shown, in combination with the oil-cup C, having a projecting screw-stem, *a*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 4th day of July, 1879.

HORTON PARK.

Witnesses:

FRANK HUMPHREYS,
J. N. RICHARDSON.