

J. E. Hendrick,

Lubricator.

No. 107,044.

Patented Sept. 6. 1870.

Fig. 1.

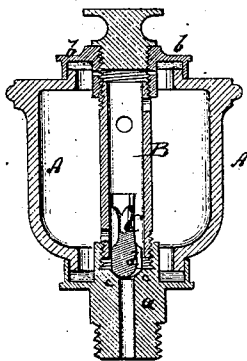


Fig. 2.



Witnesses:

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L. S. Mabey

Inventor:

J. E. Hendrick

per Munn & Co

Attorneys.

United States Patent Office.

JOSEPH E. HENDRICK, OF WATERBURY, CONNECTICUT, ASSIGNOR TO
HIMSELF AND PHILO BROWN, OF SAME PLACE.

Letters Patent No. 107,044, dated September 6, 1870.

IMPROVEMENT IN LUBRICATORS.

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

To all whom it may concern:

Be it known that I, JOSEPH E. HENDRICK, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new and improved Pulley-Lubricator; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a sectional side view of my improved pulley-lubricator.

Figure 2 is a detail side view of the valve in the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object to provide a lubricator-attachment to loose pulleys, whereby the bearings of the same on the shafts will, at all times, be properly oiled.

The invention consists in arranging within the lubricator-cup a tube, and within said tube a short movable valve, which has a groove or channel cut into its bearing-surface. The valve is thrown up and down in the tube during the rotation of the pulley, but allows the oil to flow under it through the groove when it rests on the seat.

A in the drawing represents the lubricator-cup, of suitable construction.

It is secured around a tubular shank, *a*, and surrounds a central tube, B, as shown.

The tube B extends from top to bottom of the cup, and is at its upper end screwed into the cap or cover *b* of the cup, so as to be closed by the same, while its lower end is open, and in communication with the open shank *a*.

The tube B is perforated to receive the oil from the cup, and transfer it to the shaft through the shank *a*.

A valve, C, is arranged within the tube B, and rests on the seat *c* provided in the same, when the cup stands in an upright position.

The lower end of the valve is provided with a groove, *d*, that extends slightly upward to permit a small quantity of oil to pass down when the valve is on the seat. The cup revolves with the pulley, and supplies the oil to the shaft whenever it is above the axle. By being provided with the channel the valve permits the oil to reach the shaft at the proper time.

Having thus described my invention,

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

The lubricator-cup, carrying the perforated tube B, and provided with a loose valve, C, which has the groove or channel *d*, substantially as herein shown and described, to operate as specified.

JOSEPH E. HENDRICK.

Witnesses:

THEODORE S. BUEL,

RICHARD S. GRISWOLD.