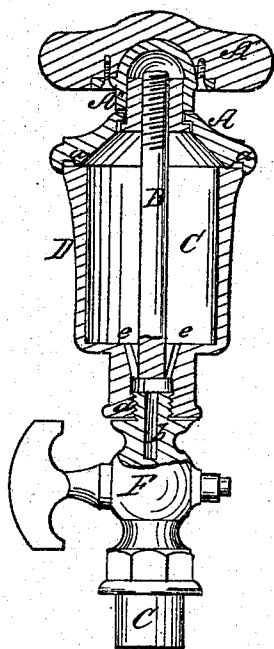


F. LUNKENHEIMER.
STEAM ENGINE OIL CUP.

No. 66,157.

Patented June 25, 1867.



Witnesses:
Thos. Truiche
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Inventor:
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United States Patent Office.

F. LUNKENHEIMER, OF CINCINNATI, OHIO.

Letters Patent No. 66,157, dated June 25, 1867.

IMPROVEMENT IN STEAM-ENGINE OIL-CUPS.

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, F. LUNKENHEIMER, of Cincinnati, in the county of Hamilton, and State of Ohio, have invented a new and useful Improvement in Oil-Cups; 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 drawings, forming part of this specification.

This invention consists in the peculiar construction of the cup, whereby it is adapted for the use of tallow and other lubricating material, and whereby the chamber which contains the oil or lubricating material is made air-tight, as will be hereinafter described.

The drawing represents a vertical elevation of the oil-cup, partly in section, in order to show the internal arrangement.

A is the cap. A' is the hand-wheel, and A'' forms the nut. B is a central screw-bolt, firmly attached to the bottom part of the chamber. C is the chamber which contains the lubricating material. D is the cup. The cap is formed of two or more pieces, as represented in the drawing. The part A sets on to the top of the cup, having a groove in its under side, which fits over a projecting flange on the cup as seen at *a*. The part A'' (represented in blue) forms a nut, and is attached to the part A'. There is a groove in the part A'' which receives a flange, which projects from the top of A, and forms the connection between the parts A A'. The part marked A'' is formed partly of brass and partly of iron or steel, as seen in the drawing. The lubricating material is placed in the chamber C, and passes down through apertures *e* into the cock F. The discharge of the oil or lubricating material is governed by the cock F, or by the cap, which, when screwed tightly down, forms an air-tight chamber at C, and the oil can only pass out of the chamber as air is admitted. The cap is attached to the cup only by the screw B, and it may be screwed down as tightly as may be desired. G is the neck, which is attached to the steam-chest or cylinder; *b* represents an aperture, through which the oil passes. The cock F screws into the oil-cup at *d*.

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

1. The hand-wheel, nut, and cap formed of the parts marked A, A', and A'', arranged and combined substantially as described.
2. The screw-bolt B, attached to the bottom of the chamber C, by which the cup and parts attached to the cup are confined, substantially as shown and described.

F. LUNKENHEIMER.

Witnesses:

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