J. Wildhack,

Lubricator.

No. 62,103. Patented Feb. 12, 1867.

Fig. 2.

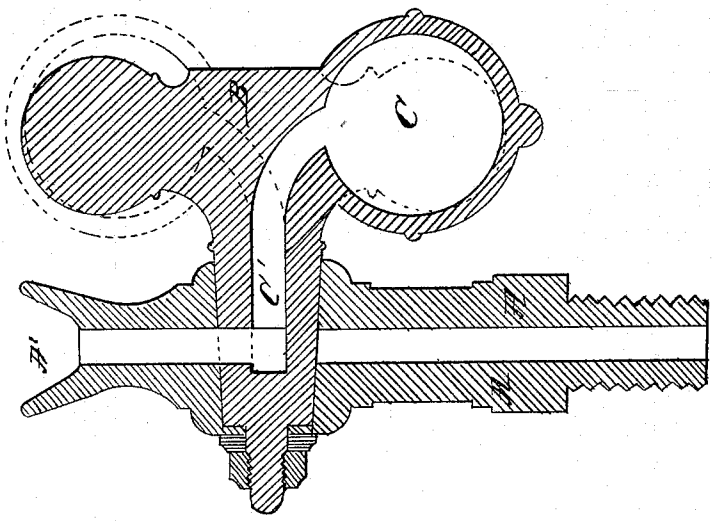
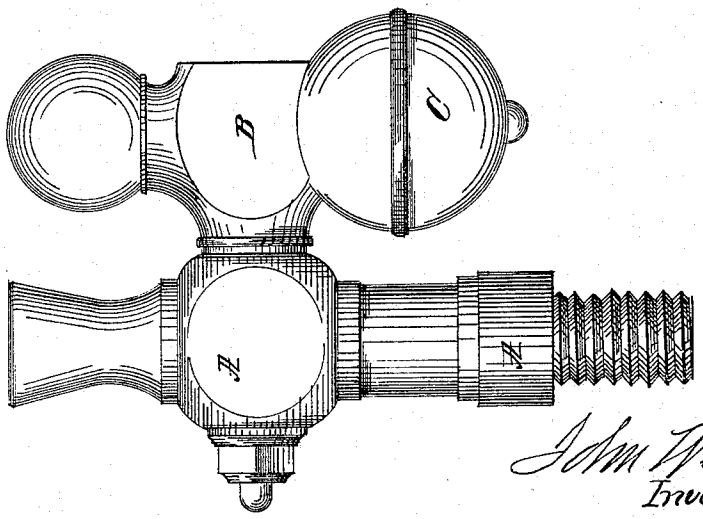


Fig. 1.



Witnesses
C. Blauvelt
L. A. Murphy.

John Wildhack
Inventor
by
D. P. Holloway & Co
Attys

United States Patent Office.

JOHN WILDHACK, OF PEKIN, ILLINOIS, ASSIGNOR TO HIMSELF AND R. POPKESS, OF SAME PLACE.

Letters Patent No. 62,103, *dated February* 12, 1867.

IMPROVEMENT IN OIL CUPS FOR STEAM ENGINES.

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, JOHN WILDHACK, of Pekin, in the county of Tazewell, and State of Illinois, have invented a new and useful Improvement in Oil Cup for Steam-Engine Cylinders; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a side elevation; and

Figure 2 is a vertical central section.

The same letters are employed in each figure in the indication of the same parts.

My invention consists in so constructing a lubricator for engine cylinders that the handle of the stop-cock shall be itself the oil cup, and at the same time in so constructing the stop-cock that the steam can never pass from the cylinder into the open air through the lubricator. The following description will enable one skilled in the art to construct my improved oil cup.

A is a stem, having one end inserted by a screw-thread into the cylinder, and the other open and formed with a funnel-formed cup, A′. A bulb is formed at A″ with a circular opening through it on opposite sides, to receive the stop-cock B, the two having the general appearance of an ordinary spigot. There is, however, no opening through the stop-cock to form a connection between its opposite sides, as in the ordinary case, but a pipe is formed at its opening on one side only, and leading into the chamber C formed in one end of the cross-handle. The opening of this pipe corresponds with the size and position of the tube leading through the shank; the other parts of the stop-cock are solid, and the shank is ground to form a steam-tight joint with the socket in the bulb A″. When the chambered end of the handle is turned down, as shown in the drawings, the oil may be poured through the mouth A′ into the chamber C. The handle being then turned half over, the pipe C′ is brought into connection with the tube leading into the cylinder through which the oil flows. It is impossible for the steam to blow the oil out of the cup, for the two ends of the pipe through the stem A cannot be connected.

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

1. An oil cup for the cylinders of steam engines, in which a chamber, C, in the handle B is made the reservoir for receiving the oil, substantially as set forth.

2. The stem A and stop-cock B, when so constructed and arranged that the stop-cock shall be the receiver for the oil, and the passage of steam through the stem be prevented, substantially in the manner set forth.

3. So combining the stem A and stop-cock B that the pipe C′ may be brought alternately into connection with the openings through the stem on each side of the stop-cock, substantially as and for the purpose set forth.

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

JOHN WILDHACK.

Witnesses:

W. BLENKIRON,

WM. T. PATTERSON.