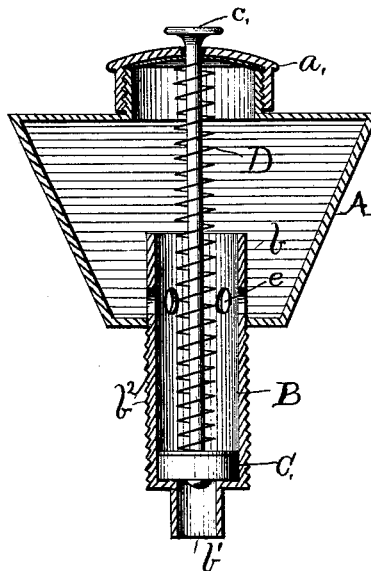


M. LLOYD.  
Lubricator.

No. 218,544.

Patented Aug. 12, 1879.



*witnesses.*  
*Frank L. Curaud.*  
*McNamee.*

*Inventor.*  
*M. Lloyd*  
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*Attorney.*

# UNITED STATES PATENT OFFICE.

MONTGOMERY LLOYD, OF TRAPPE, MARYLAND.

## IMPROVEMENT IN LUBRICATORS.

Specification forming part of Letters Patent No. **218,544**, dated August 12, 1879; application filed May 8, 1879.

### *To all whom it may concern:*

Be it known that I, MONTGOMERY LLOYD, of Trappe, in the county of Talbot and State of Maryland, have invented certain new and useful Improvements in Lubricators; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The figure in the drawing is a sectional elevation of my improved lubricator.

This invention has relation to devices for lubricating journals and bearings; and it consists of certain improvements in the construction of the same, hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawing similar letters of reference indicate like parts of the invention.

A is a chamber or reservoir of suitable size and shape, and is provided with a tight-fitting screw-threaded cap, *a*. The chamber A has secured to its lower end a cylinder, B, a portion of which, *b*, extends upward into the chamber A, while the rest of it extends outside and terminates in a contracted exit, *b'*. That portion of the cylinder B extending outside of the chamber A is externally screw-threaded at *b<sup>2</sup>*, by means of which it may readily be secured in place.

The cylinder B is provided with a piston, C, having piston-rod *c* extending upward through the cap *a*. A spring, D, coiled around the piston-rod *c*, always keeps the piston C at the position shown in the drawing.

The operation of the device is as follows: The chamber A being filled with oil, the piston C is raised into the portion *b* of the cylinder B. This allows the oil to flow through the openings *e* into the cylinder B. The piston is then released, and, in descending, it cuts off a further supply, and the spring, acting on the piston, gently forces the oil upon the journal or axle through the opening *b<sup>1</sup>*.

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

In a lubricating device, the chamber A having the perforated screw-threaded cap *a*, and cylinder B provided with the internal openings, *e*, and screw-threaded externally at *b<sup>2</sup>*, in combination with the piston C, piston-rod *c*, and spring D, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

MONTGOMERY LLOYD.

Witnesses:

EWD. H. LLOYD,  
ISAAC BRYAN.