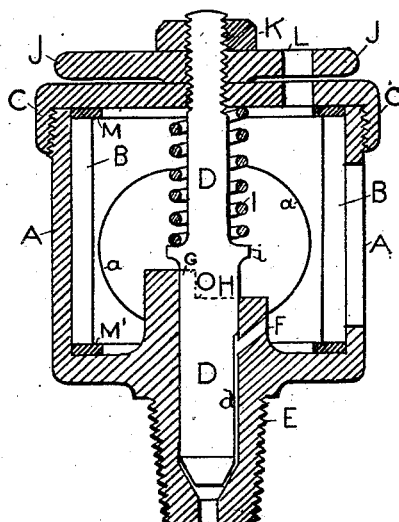


(No Model.)

E. L. REESE.
LUBRICATING OIL CUP.

No. 266,886.

Patented Oct. 31, 1882.



WITNESSES

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UNITED STATES PATENT OFFICE.

EVAN L. REESE, OF ALAMEDA COUNTY, CALIFORNIA.

LUBRICATING-OIL CUP.

SPECIFICATION forming part of Letters Patent No. 266,886, dated October 31, 1882.

Application filed July 5, 1882. (No model.)

To all whom it may concern:

Be it known that I, EVAN L. REESE, of Alameda county, State of California, have invented an Improved Lubricating Oil Cup, of which the following is a specification.

My invention relates to lubricating-oil cups which operate simply by the gravitation of the oil through a small exit-passage in the bottom of the cup, being such as are generally used to lubricate surfaces to which steam is not admitted—as, for instance, the cross-head, slides, bearings, and journals of an engine.

My invention consists in a novel arrangement of the parts, by which the amount of oil fed from the cup may be readily adjusted and permanently maintained and the feeding of the lubricant continued or suspended at will without changing the feed adjustment.

In the accompanying drawing I show a sectional elevation of my device, which fully illustrates the invention.

A is an ordinary cup, which may have solid sides, so as to hold oil, or it may be merely a skeleton frame, in which a glass lining, B, will be held, in common fashion. When the glass lining is used the outer frame, A, will be lightened by removing the metal, as shown by the lines *a*.

C is a screw cap or cover for the cup.

D is the adjustable feeding plug or spindle, passing down through the cap into the shank E and having its conically-shaped lower end near to, but not necessarily on, a correspondingly-concaved seat.

In the bottom of the cup there is a feeding-hole, F, leading from the oil-chamber to the center of the stem, where the spindle passes through. Down the side of the spindle, at *d*, a flat side is filed off—say about a quarter of an inch wide—extending from just above the bottom of the hole, F, to the conical end of the spindle.

A little ledge or stop, G, is provided on the raised bottom of the cup, to stop the turning of the spindle when the pin H, projecting from

the spindle, strikes against it, which occurs when the flattened side of the spindle is opposite the feeding-hole F.

I is a spiral spring wound around the spindle and operating, by expanding between the shoulder *i* on the spindle and the inside of the cap C, to give the spindle a strong downward tendency.

J is a milled-edge thumb-nut, screwed on the end of the spindle projecting through the cap, and K is a jam-nut above it.

L is a charging-hole passing through both thumb-nut and cap.

There will be elastic washers M M' at both top and bottom of the glass cup B, so that the cap may be screwed down to make a tight joint without breaking it.

The operation is as follows: The cup having been charged, the exact amount of feed required is regulated by screwing the thumb nut up or down, to raise or lower the conical point of the spindle, to give more or less area of passage-way for the oil which enters the channel at the flattened side of the spindle when that side is opposite the feed-hole F. When the proper regulation is made the jam-nut is screwed tightly upon the thumb-nut, which is then immovable so far as raising and lowering the spindle is concerned. It may, however, be turned around, so as to stop off or open the feed by bringing the flattened side opposite the feed-hole F, or removing it away.

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

In a lubricating-cup, the combination, with the cup A, of the spindle D, passing down into the shank E, and having the flat side at *d* and the adjusting-nuts J and K, the whole arranged and operating as and for the purposes described.

EVAN L. REESE.

Witnesses:

GEORGE PARDY,
THOMAS H. BARCLAY.