

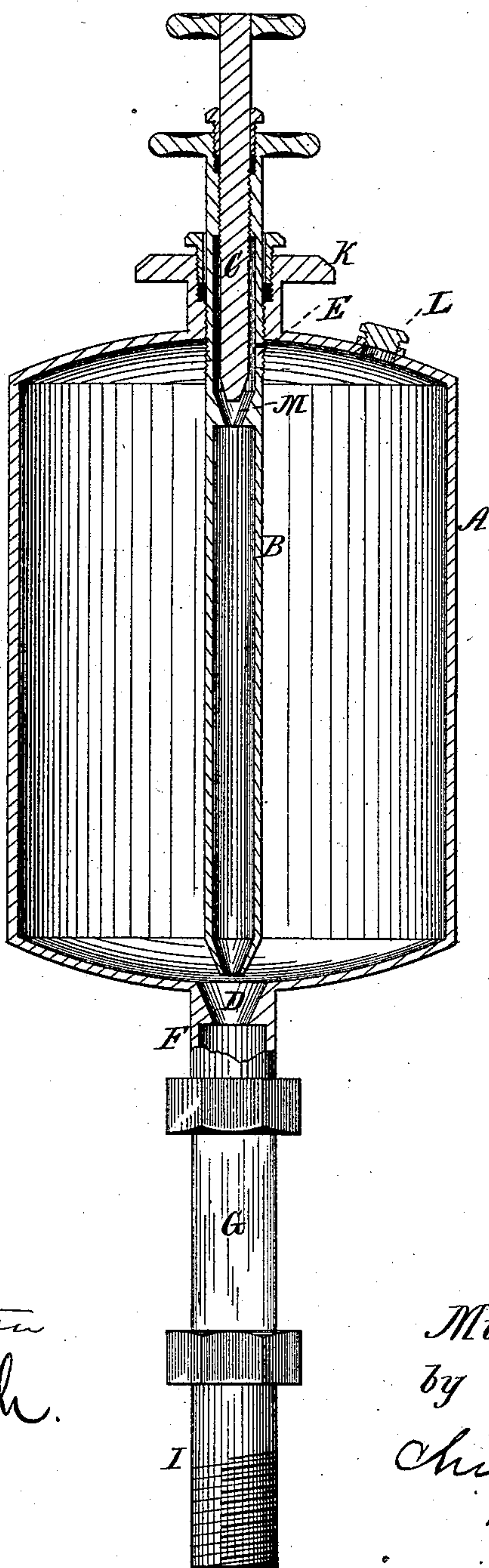
(No Model.)

M. S. CABELL.

LUBRICATOR.

No. 289,888.

Patented Dec. 11, 1883.



Witnesses:
W. C. Jordinston
Fred D. Lehigh.

Inventor:
Milton S. Cabell
by
Church & Church
his Attorneys.

UNITED STATES PATENT OFFICE.

MILTON S. CABELL, OF QUINCY, ILLINOIS, ASSIGNOR OF ONE-HALF TO
WILLIAM SCHAEFER, OF SAME PLACE.

LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 289,888, dated December 11, 1883.

Application filed October 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, MILTON S. CABELL, of Quincy, in the county of Adams and State of Illinois, have invented certain new and useful
5 Improvements in Lubricators; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification, and to the letters of
10 reference marked thereon.

My present invention relates particularly to that class of oil-cups wherein the lubricant is fed by gravity or by the condensation of steam; and it consists in the combination and arrange-
15 ment, hereinafter described, and pointed out in the claim, whereby the feeding and delivery of the lubricating material is regulated and controlled.

The structure of the device will readily be
20 understood from the accompanying drawing, representing a sectional view of my improved lubricator.

Located within the oil cup or reservoir A is a hollow stem, B, passing through a stuffing-
25 box, K, in the top of the cup, and provided with a conical or other suitably-shaped extremity adapted to fit and close the orifice D in the bottom of the cup. The hollow stem or spindle B is provided with a vent, E, opening
30 into the cup A near the top thereof, and with a stuffing-box in its head, through which passes the spindle or stem C, whose extremity is adapted to engage with the valve-seat M, located with the stem B, but below the vent E.
35 A glass sight feed-tube is interposed between the neck F at the bottom of the cup A and the fitting I, for attachment to the steam-pipe, steam-chest, or other part to be lubricated.

The operation of the lubricator constructed
40 as above described is as follows: The cup A being filled through the capped opening L, the oil or other lubricant is delivered through the orifice D, drop by drop or in a stream, as de-

sired, by simply adjusting the hollow stem B, controlling the outlet D, or the stem C, con- 45 trolling the vent, or by adjusting both of said valves, as the exigencies of the case render necessary or desirable. As the oil passes from the cup A in the form of drops or in a stream, it is visible through the glass tube G, thus en- 50 abling the operator to observe the working of the apparatus and determine the proper adjustment of the valves. If desirable, a gage may be attached to the side of the cup A, to indicate the height of oil contained therein. 55

Although this lubricator is arranged and designed, primarily, as a gravity-feed, it may be readily converted into an overflow-feed by screwing the stem B tightly against its seat and allowing the steam to condense in the cup 60 A, the displaced oil being delivered through the vent E and hollow stem B.

When intended for use as an overflow-feed, a cock may be attached at the lower end of the cup, to draw off the water of condensation; or 65 the water may be discharged from the cup down through the orifice D and through the ports G I by raising the lower end of the spindle B from its seat, as will be readily understood. 70

I claim as my invention—

The combination of the oil-cup A, having the orifice D at its bottom, leading to the sight feed-tube, with the vertically-adjustable hol- 75 low spindle B, having at the upper part of the oil-cup the vent E and the valve-seat M below said vent, and with the valve-stem C, working within the hollow spindle and co-operating with the seat M, substantially as described, whereby the oil may be fed continuously from 80 the oil-cup either by overflowing or by direct gravity-feed, as set forth.

MILTON S. CABELL.

Witnesses:

WM. SCHAEFER,
WM. ABEL.