

(No Model.)

R. AMES.
LUBRICATOR.

No. 339,251.

Patented Apr. 6, 1886.

Fig. 1.

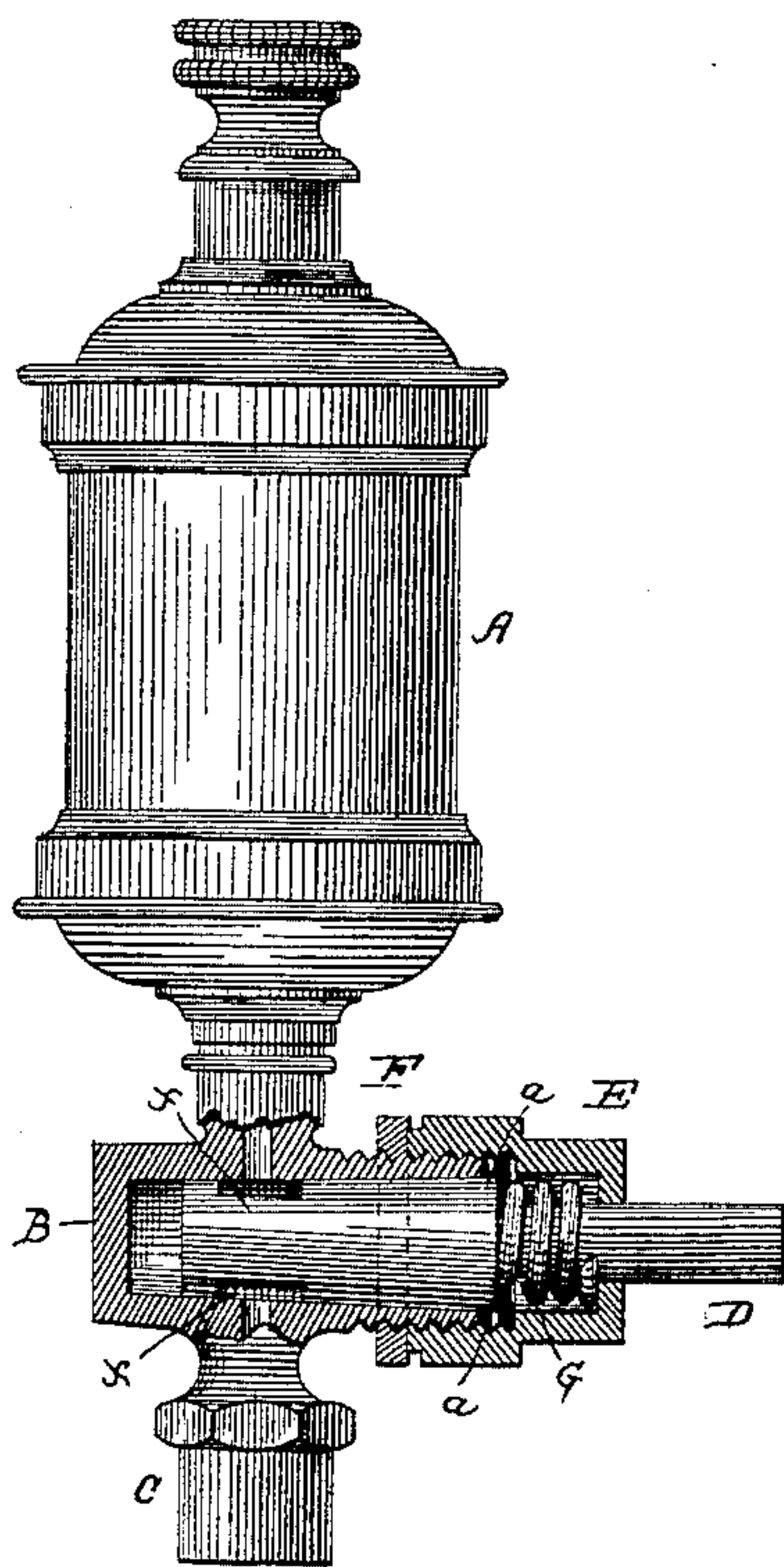
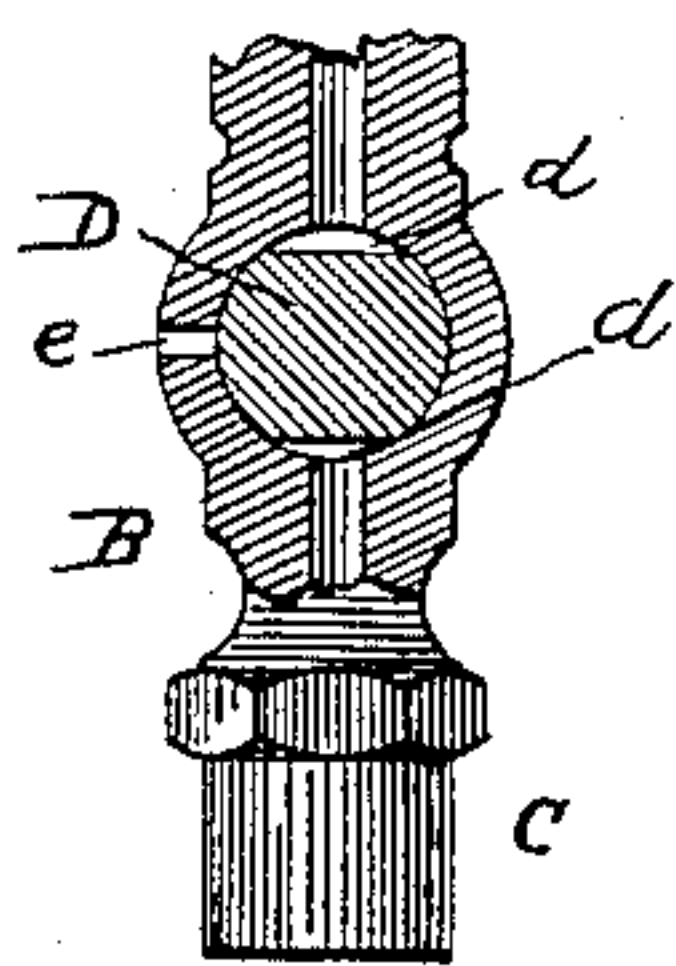


Fig. 2.



WITNESSES

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LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 339,251, dated April 6, 1886.

Application filed August 10, 1885. Serial No. 173,918. (No model.)

To all whom it may concern:

Be it known that I, RUFUS AMES, of Fort Wayne, in the county of Allen, and in the State of Indiana, have invented certain new and useful Improvements in Lubricators; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to oilers for steam-chest valves; and it has for its object more particularly to provide for an escape of steam to prevent condensation of same in the oil-reservoir. I also provide means for keeping the distributing-plug snugly in place.

In the accompanying drawings, making part of this specification, Figure 1 represents a side view, partly in section, of the distributing-plug and its case; and Fig. 2, a vertical cross-section of the plug and case.

In the figures, A represents an oil-reservoir, which has either cast or secured suitably upon its lower end a case, B, which is provided with a tapering bore. Leading from this case is a pipe, C, which connects to a steam-chest in such manner as to be capable of supplying oil to its valves.

D represents a tapering plug, which fits snugly in the chamber of case B. Portions of this plug on opposite sides of it are cut away, as seen at *x x*, and these cut-away portions lie beneath an orifice which leads from the oil-reservoir through the pipe C to the steam-chest. The plug D is provided with a shoulder at *a a*.

E represents a screw-cap, which passes over a male screw on the end of the case B; and F represents a jam-nut, also upon said case.

G represents a spiral spring, which surrounds the plug D. The cap E passes over this spring and presses it against the shoulder *a a* of the

plug. When the cap has been screwed up sufficiently to make the spring bear against the plug as much as desired, the jam-nut is brought up against the cap for securing it in place. By this arrangement the plug is always kept snug and tight in its chamber. When one of the recesses *x* is exposed to the orifice of the oil-reservoir, it fills with oil, and by turning the plug half way around the oil in said recess will be emptied into the pipe which leads to the valves; but here comes the advantage of my invention.

In the side of case B will be seen an opening, *e*. This opening is intended to allow the escape of steam. For instance, after the plug has emptied its oil, steam will immediately fill the recess. When the plug is again moved to allow the other recess to bring down oil, the steam in the recess which has been emptied will escape through the opening *e*. In oilers of this description heretofore the steam was carried up and condensed in the oil-chamber, and thus a mixture of water and oil was supplied to the valves. My object has been to prevent this difficulty.

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

Combined with an oil-reservoir, a case connected therewith, provided with a tapering bore and having a steam-escape opening in one side, a taper plug having recesses and resting within the bore, and a spring for retaining the plug snugly therein, substantially as and for the purpose specified.

In testimony whereof I affix my signature, in presence of two witnesses, this 23d day of June, 1885.

RUFUS AMES.

Witnesses:

W. J. KERR,
W. W. KERR.