

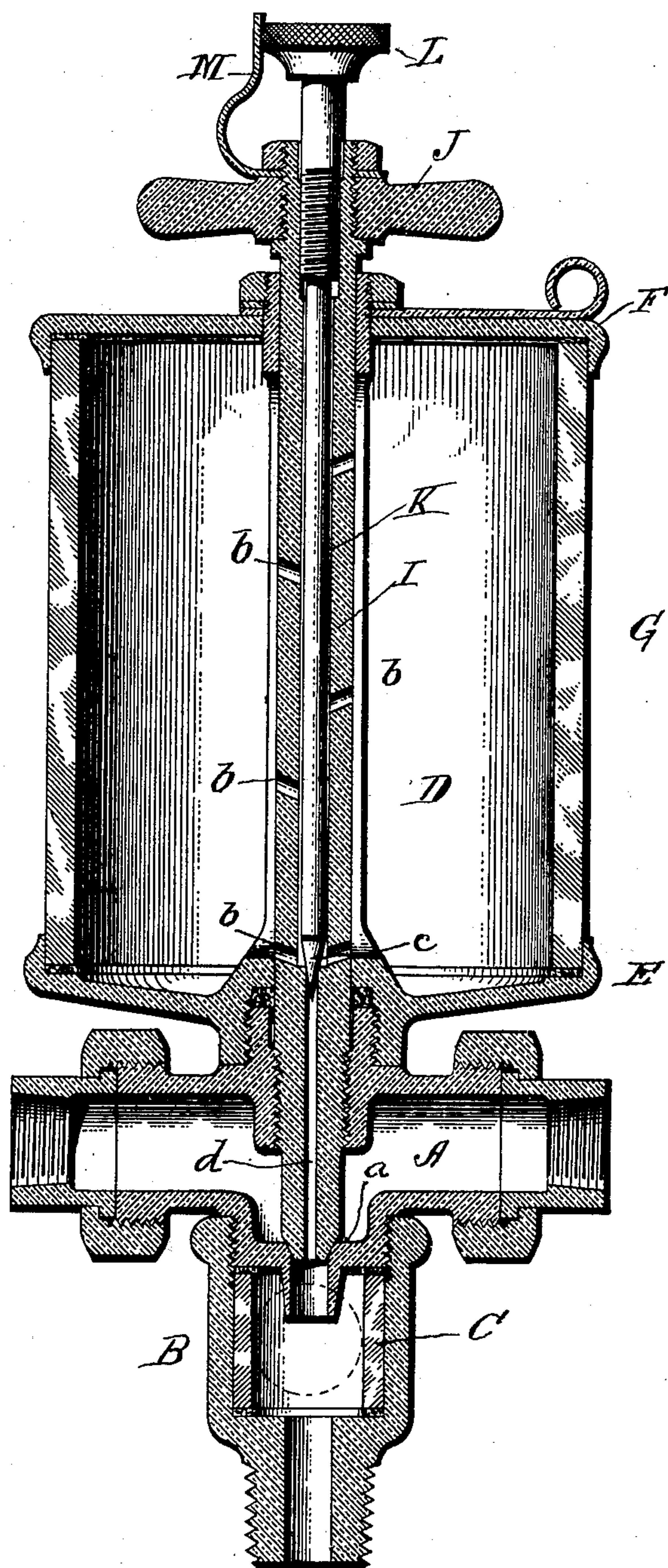
No. 754,737.

PATENTED MAR. 15, 1904.

J. J. AULL.
LUBRICATOR.

APPLICATION FILED AUG. 10, 1903.

NO MODEL.



WITNESSES.

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LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 754,737, dated March 15, 1904.

Application filed August 10, 1903. Serial No. 169,029. (No model.)

To all whom it may concern:

Be it known that I, JEROME J. AULL, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Lubricators, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification.

My invention relates to that class of lubricators which have a constant source of oil-supply under pressure and which are generally coupled together to make this source of oil-supply common to a number of such lubricators and which in addition have an auxiliary oil-cup for each bearing, which can be brought into use at any time should the source of oil from the pressure-supply be at any time broken or cut off; and it has for its object the provision of such a lubricator which is both simple and cheap in construction and efficient in action.

The novelty will be hereinafter more fully set forth, and specifically pointed out in the claims.

In the accompanying drawing the figure represents a central sectional view in elevation of a lubricator embodying my invention.

A represents a coupling which may have one, two, three, or four connections therewith from sources of a high-pressure supply. In the present instance there are but two of these couplings shown, which form a chamber directly beneath an auxiliary oil-cup, which has its base and valve mechanism entering into said coupling. Secured to the under side of this coupling is a nipple B, containing at its upper end a valve-seat *a*, which, however, is preferably a part of the coupling A, and which nipple is provided with sight-feed glass C, the nipple being provided with the usual or any suitable apertures which are well known to the art and whereby the sight-feed glass is exposed and the passage of the lubricant may be readily seen, as indicated by the dotted lines showing one of said apertures. The passage through the valve-seat leads downward to the drip-nozzles within the sight-feed glass.

Secured upon the top of the coupling A is

an auxiliary oil-cup D of the usual or any suitable construction, preferably having a base E, which is screwed upon the coupling A and which has a cap or cover F, said base and cap embracing between them a glass cylinder G, which forms the cup proper.

Extending up through the center of the cup and screwed into the base thereof is a valve-stem I, which is seated upon the seat *a*, leading to the nipple in the sight-feed chamber. This valve-stem is operated by an exterior handle J of any suitable construction, and the interior of said valve-stem is hollow, with vents *b* opening thereinto from the oil-cup, and said hollow opening is provided with a valve-rod K, with a conical point *c*, adapted to seat in the top of a reduced portion *d* of the opening extending through the main valve, as shown. This auxiliary valve, which controls the outflow from the oil-cup, is managed by a screw-stem L, having its bearing through the main valve I and controlled by a spring M, as is usual in this class of oil-cup construction.

My above-described construction is intended as an improvement upon the patent of Moyer, No. 654,665, of July 31, 1900, in that I have a coupling with a practically unlimited source of pressure-supply, a valve controlling the escape of the oil from such source of pressure-supply to the parts to be lubricated, and an auxiliary valve within said main valve in the oil-cup that contains an additional supply of oil and that is connected directly to said coupling.

Having thus fully described my invention, I claim—

1. In lubricator construction, a coupling leading to the parts to be lubricated and having as many branches as desired, a connection from a source of constant oil-supply under pressure leading into said coupling, an auxiliary oil-cup secured upon the top of said coupling and provided with a valve seated upon a valve-seat in said coupling and controlling the outlet from the source of constant oil-supply and containing therein an auxiliary valve controlling a passage from said oil-cup through the first-mentioned valve, substantially as described.

2. The combination of the connecting-chamber, A, with one or more branches adapted to be connected to a source of constant oil-supply, a connection from said chamber to the
5 parts to be lubricated, an auxiliary oil-cup upon said chamber and provided with a valve controlling the exit from said chamber to the part to be lubricated, said valve being hollow

and provided with an auxiliary valve for permitting the exit of the oil in the oil-cup through the main valve to the parts to be lubricated, substantially as described. 10

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Witnesses:

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