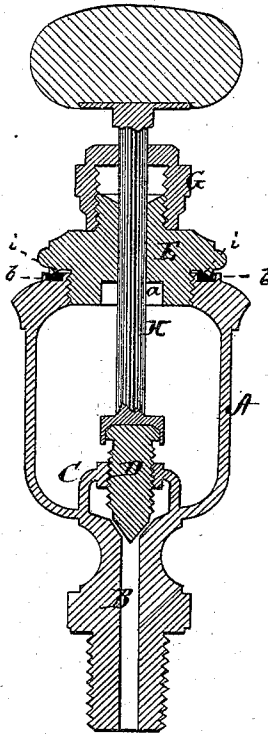


B. F. CLEMINSHAW.

Lubricators.

No. 135,777.

Patented Feb. 11, 1873.



Witness:
Frank L. Durand
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UNITED STATES PATENT OFFICE.

BENJAMIN F. CLEMINSHAW, OF TROY, NEW YORK.

IMPROVEMENT IN LUBRICATORS.

Specification forming part of Letters Patent No. 135,777, dated February 11, 1873.

To all whom it may concern:

Be it known that I, BENJAMIN F. CLEMINSHAW, of Troy, in the county of Rensselaer and in the State of New York, have invented certain new and useful Improvements in Steam-Cylinder Lubricator; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a steam-cylinder lubricator, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which is a vertical section of my lubricator.

A represents the bowl of my lubricator, provided with a screw-stem, B, to be screwed into its place on the steam-cylinder. In the bottom of the bowl A is a bridge, C, cast with the bowl, through which is screwed the valve D to fit in the conical valve-seat formed in the upper end of the stem B, and thus closing the lubricator. The top of the bowl A is closed by a screw-head, E, screwed into the bowl, and on the top of the screw-head is screwed a stuffing-box, G. Through this stuffing-box and screw-head passes the wrench H, the

lower or inner end of which is made square, with a square recess in its under side to fit over the upper end of the valve D, so as to open and close the same at pleasure. In the under side of the screw-head E is made a square recess, *a*, large enough to receive the lower square end of the wrench H when the same is drawn up, and by this means the screw-head can be screwed in and taken off when desired. In the top of the bowl A is turned an annular recess, in which is a lead washer, *b*, and on the screw-head E is formed a circular V-shaped bead, *i*, which presses into said lead washer and forms a perfectly tight joint.

The lubricator thus constructed is extremely simple in its construction, has only one stuffing-box, the valve is inside of the bowl, and there is nothing on the outside but what will stand rough usage.

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

The wrench H, constructed as described and passing through the stuffing-box G and head E, for operating both said head and the valve D, substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 14th day of October, 1872.

BENJAMIN F. CLEMINSHAW. [L.S.]

Witnesses:

L. S. BUNNELL,
LEWIS E. GRIFFITH.