

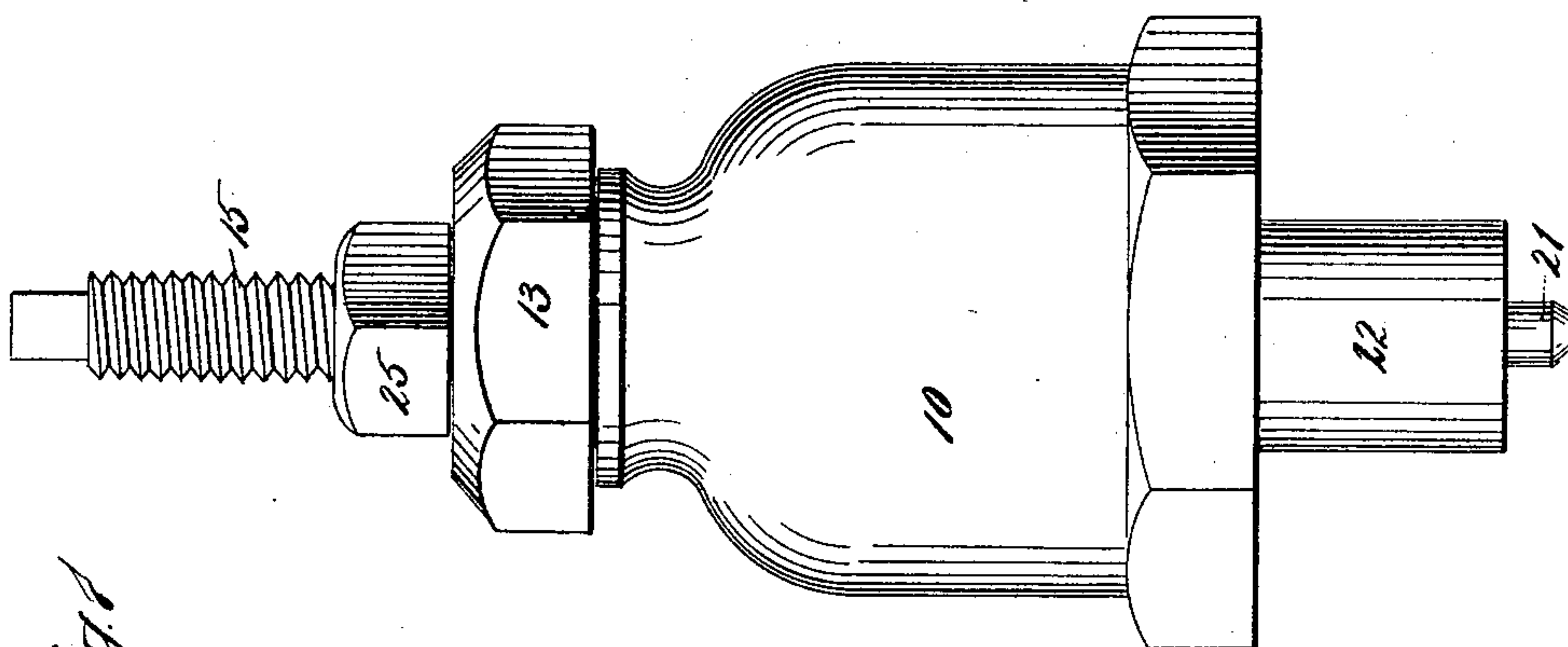
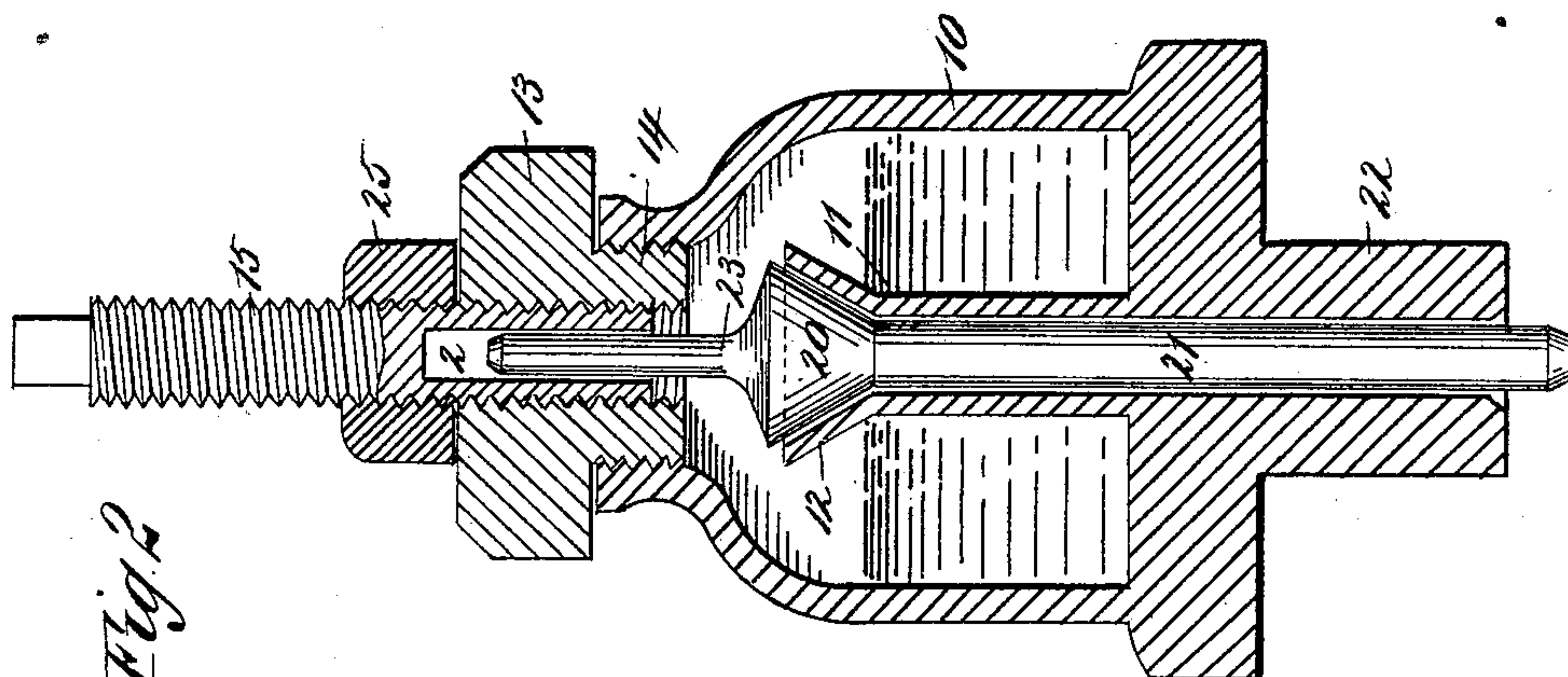
(No Model.)

E. P. HUSSEY.

LUBRICATOR.

No. 366,396.

Patented July 12, 1887.



WITNESSES:

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ELIJAH P. HUSSEY, OF ELLIS, KANSAS.

LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 366,396, dated July 12, 1887.

Application filed November 29, 1886. Serial No. 220,182. (No model.)

To all whom it may concern:

Be it known that I, ELIJAH PRESCOTT HUSSEY, of Ellis, in the county of Ellis and State of Kansas, have invented a new and Improved
5 Lubricator, of which the following is a full, clear, and exact description.

This invention relates to the construction of a novel form of lubricator designed for use in connection with the crank-pin of a locomotive-
10 engine, the object of the invention being to provide for the regular delivery of small quantities of oil to the crank-pin, and to prevent the discharge of oil except at times when the engine is in motion.

15 To the end named the invention consists of an oil-cup formed with an internal upwardly-extending tube the top of which constitutes a valve-seat, a valve formed with a downwardly-extending spindle that fits within the bore of
20 said tube, and with an upwardly-extending stem that fits within the bore of a plug that is adjustably connected to the cover of the cup, all as will be hereinafter more fully described, and specifically pointed out in the claims.

25 Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in both the views.

30 Figure 1 is a side view of my improved form of lubricator, and Fig. 2 is a central vertical sectional view of the same.

In the drawings, 10 represents the oil-cup, within which there is arranged an upwardly-extending tube, 11, formed with a flaring top
35 or mouth, 12. The cap or cover of the cup 10 is shown at 13, and is formed with a downwardly-extending projection, 14, that is threaded to engage with an internal thread formed at the mouth of the cup. This cover
40 or cap 13 is centrally apertured, and in the aperture so formed there is fitted a threaded plug, 15, in the lower end of which there is a bore or chamber, 2, the central aperture of the cap being internally threaded, in order that the
45 cap may be engaged by the plug.

The valve arranged in connection with the oil-cup is shown at 20, and this valve is formed with a downwardly-extending spindle, 21,
50 11, and projects downward beyond the lower projection, 22, of the cup 10, while the stem of the valve, which is shown at 23, projects upward and fits within the bore 2 of the plug 15. This plug 15 is provided with a jam-nut,

25, which, when turned down hard against the 55 top of the cup 13, acts to bind or clamp the plug to such position as may be required. The cup is applied to the bearing of the crank-pin, the projection 22 being inserted and secured within a socket provided for its recep- 60 tion, the parts being held together by a set-screw; or, if desired, the projection 22 might be threaded to engage with a corresponding thread formed in the socket. After the device has been applied as described the valve 65 20 will be caused to rise and fall by the motion of the engine, which motion will also agitate the oil contained within the cup, so that it will strike upon the upper face of the valve and drip downward drop by drop, to be 70 delivered by the spindle 21 directly to the crank-pin; but when the engine is at rest the valve will be tightly closed upon its seat, and it will be impossible for any of the oil to escape. The supply of oil delivered by the 75 spindle of the valve may be regulated by adjusting the plug 15 so as to provide for more or less play of the valve, as will be readily appreciated by those skilled in the art.

Having thus fully described my invention, 80 I claim as new and desire to secure by Letters Patent—

1. In a lubricator, the combination, with an oil-cup provided with an internal upwardly-extending tube having a flaring top or mouth 85 and with an apertured cap, of a valve fitting in the flaring top or mouth of the tube, and provided with a spindle projecting into the said tube and with a stem projecting into the apertured cap, substantially as herein shown 90 and described.

2. In a lubricator, the combination, with an oil-cup formed with an internal upwardly-extending tube the top of which constitutes a valve-seat, of a valve formed with a spindle 95 that fits within the tube and projecting slightly beyond the extreme lower end of the cup and with an upwardly-extending stem, a detachable cover, a plug that is threaded to engage with the central threaded aperture 100 formed in the cover, said plug being formed with a central bore and adapted to receive a valve-stem, and a jam-nut fitted upon the plug, substantially as described.

ELIJAH P. HUSSEY.

Witnesses:

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