(No Model.)

W. J. FAUL.

LUBRICATOR.

No. 408,833. Patented Aug. 13, 1889.

Fig 1

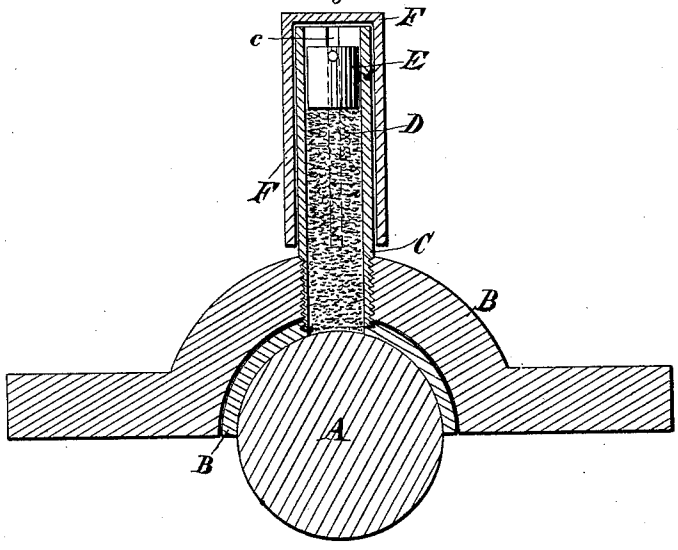


Fig 2

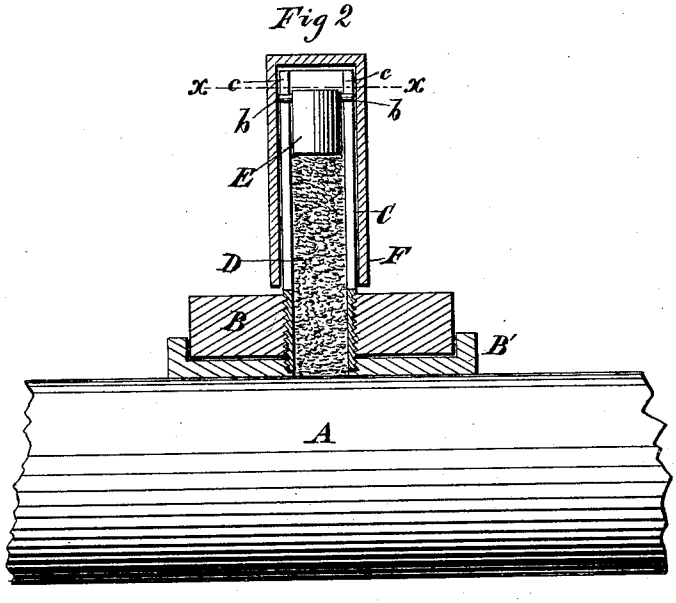
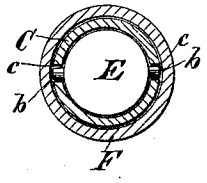


Fig 3



Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM J. FAUL, OF BROOKLYN, NEW YORK.

LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 408,833, dated August 13, 1889.

Application filed February 23, 1889. Serial No. 300,801. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. FAUL, of the city of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Lubricators, of which the following is a specification.

My improvement belongs to that class of lubricators in which an elongated stick or body of grease is in such position that it will bear upon a journal or axle. The friction engendered by the revolution of the journal or axle will cause the grease to wear away and thus lubricate the journal or axle.

I will describe in detail a lubricator embodying my improvement and afterward point out its novel features in a claim.

In the accompanying drawings, Figure 1 is a vertical section of a journal or axle and a portion of a bearing therefor, showing my improved lubricator in conjunction therewith. Fig. 2 is a vertical section thereof, taken at right angles to Fig. 1, the journal or axle being broken away at its ends in order to save space. Fig. 3 is a transverse section taken on the line *x x*, Fig. 2.

A designates a journal or axle, and B a bearing therefor. I have shown a brass B′ between the journal or axle and the portion B of the journal-box. The portion B of the journal-box is provided on its outer side with an aperture, around which is a case or shell C of cylindrical form open at both ends. The shell is represented as screwed into the said aperture. Within this case or shell the stick or cylinder of grease D is placed, and when forced downwardly sufficiently far will bear upon the journal or axle A. The case or shell C is provided with vertically-extending slots *c*. These slots are arranged, as shown, opposite each other, and are of such extent that when the case or shell is in position on the journal-box they reach nearly to the said journal-box.

E designates a weight, shown as of cylindrical form. This weight is placed within the case or shell C and bears upon the outer end of the stick or cylinder of grease D. It tends to force the grease into constant contact with the journal or axle. Upon the sides of said weight are pins or projections *b*, which pins or projections extend through the slots *c* to the circumference of the case or shell C. These pins or projections are arranged in the top of the weight E in this example of my improvement. As the grease is used up the weight descends until the pins or projections reach the bottoms of the slots *c*. When in such position, it becomes necessary to place a new stick or cylinder of grease in the case or shell. The weight is then to be lifted out. By pressing upon the ends of the pins or projections the weight may be readily lifted out of the case or shell. Inclosing the case or shell C and extending near to the bearing B is a cap F. This cap is cylindrical and has a closed upper end. When in position, it prevents dirt from entering the case or shell C through the slots *c*.

My improvement is applicable to car or other axles or to shafts for machinery, but is especially advantageous for car-axles on account of the use of the cap F.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a lubricator, the combination, with a journal, of a bearing therefor, a shell secured to said bearing and adapted to receive a stick of lubricating material, said shell being provided with longitudinal slots, a weight within said shell adapted to rest upon the upper end of the stick of lubricating material, and provided with lugs or projections extending into said slots and a cap-piece inclosing said shell, substantially as specified.

WILLIAM J. FAUL.

Witnesses:
FREDK. HAYNES,
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