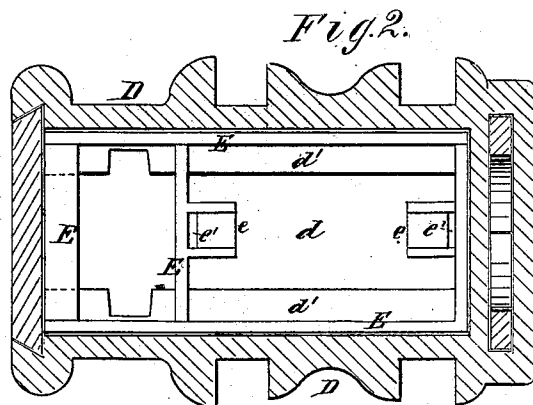
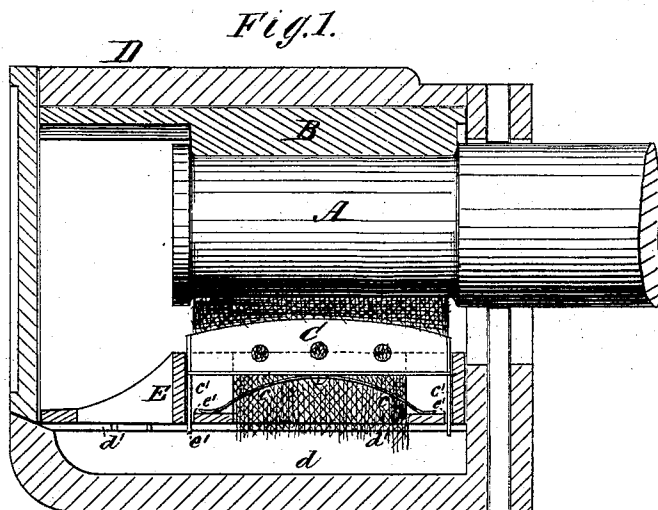


J. G. JOHNSON.
Car-Axle Boxes.

No. 145,425.

Patented Dec. 9, 1873.



Witnesses:
G. M. M. M.
John A. Kemm

Inventor:
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UNITED STATES PATENT OFFICE.

JOSEPH G. JOHNSON, OF ELKTON, ASSIGNOR TO THE LUBRICATING CAR-AXLE COMPANY, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN CAR-AXLE BOXES.

Specification forming part of Letters Patent No. **145,425**, dated December 9, 1873; application filed August 30, 1873.

To all whom it may concern:

Be it known that I, JOSEPH G. JOHNSON, of Elkton, in the county of Cecil and State of Maryland, have invented a new and Improved Automatic Lubricator for Car-Axle Journals; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a longitudinal vertical section. Fig. 2 is a horizontal section.

The invention relates to the mode of relatively constructing an axle-box and lubricating device, so that the spring-pressed oiler, which requires to be examined and to be supplied with wick or similar substance at different times, may be easily slid in and out of the axle-box without the necessity of removing bolts, nuts, or fastenings, and without detaching the oil-reservoir.

The peculiar construction by which I accomplish this object will first be fully described, in connection with all that is necessary to a full understanding thereof, and then clearly pointed out in the claim.

A represents the car-axle journal which is to be lubricated; B, the ordinary metallic or other bearing; and C, the spring-pressed oiler, around which is wound some textile material that depends therefrom and dips in an oil-reservoir. D is the axle-box, having a concavity,

d, at the bottom to serve as an oil-reservoir, and the longitudinal shelves d' d', on which is supported and slid in and out the oiler-frame E, which has end-open lugs or bearings e e that receive the oiler C. The latter has springs, c c resting upon the bottom of the bearings, and may have downwardly-projecting guide-plates c' c' that pass through holes e' e'. The front of this frame is open over the reservoir d to allow the ready introduction of the lubricant. By this construction the oil can be supplied with facility, while the reservoir need not be removed whenever there is a necessity for examining the oiler C, and supplying it with wick or analogous substance.

I am aware that the cavity of axle-box has been heretofore constructed to admit of the adjustment of the washer or collars on axle through the front opening thereof; but my construction contemplates an entirely different object.

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

The open-ended oiler-frame E, arranged to slide and be supported on shelves d' d' of axle-box and over an oil-reservoir, d, forming part of axle-box, as and for the purpose described.

JOS. G. JOHNSON.

Witnesses:

S. A. MORSE,
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