

T. R. TIMBY.

Car Axle-Lubricators.

No. 135,386.

Patented Jan. 28, 1873.

FIG. 1.

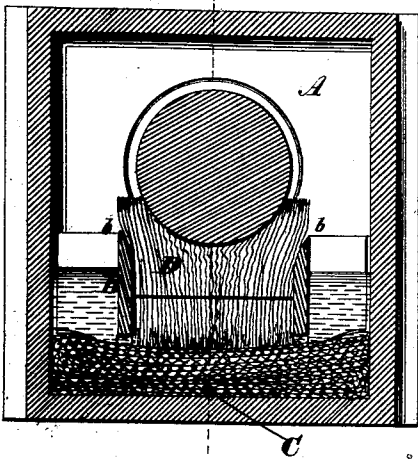


FIG. 2.

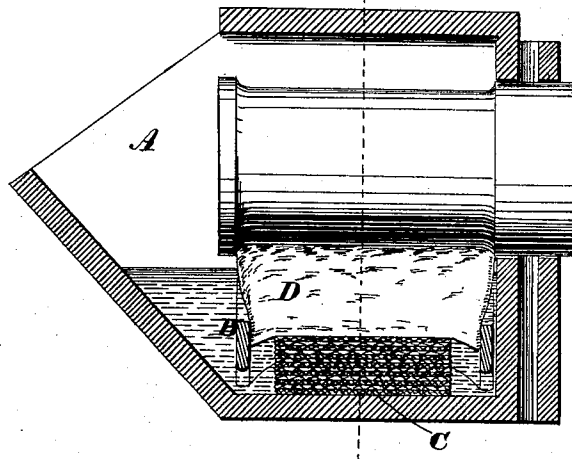
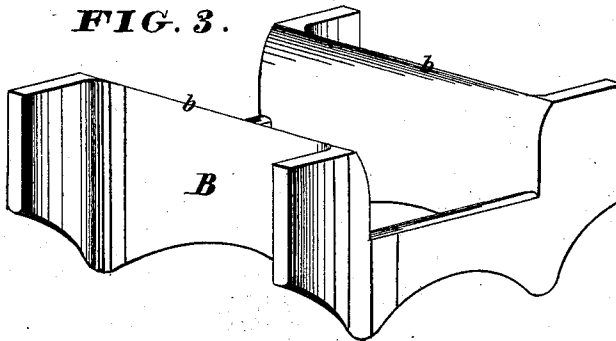


FIG. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

THEODORE R. TIMBY, OF TARRYTOWN, NEW YORK.

IMPROVEMENT IN CAR-AXLE LUBRICATORS.

Specification forming part of Letters Patent No. 135,386, dated January 28, 1873.

To all whom it may concern:

Be it known that I, THEODORE R. TIMBY, of Tarrytown, in the county of Westchester, New York, have invented a new and useful Improvement in Car-Axle Boxes, of which the following is a specification:

Nature and Objects of the Invention.

My invention relates to a crib or trestle to be placed within the customary grease-box of a car-axle bearing, which crib, in combination with cushions of cotton-wick, or other suitable fabric or material, serves, while supporting the axle-journal, to maintain its surface in a constantly lubricated condition.

General Description.

Figures 1 and 2 are respectively transverse and longitudinal sections of an axle-box provided with my improvement. Fig. 3 is a perspective view of my "crib."

A may represent a customary axle-box. B is my crib or trestle, preferably of cast-iron or brass. The said crib rests upon a pad or cushion, C, of cotton-wick or other suitable spongy and elastic substance. The interior of the crib is stuffed with a suitable pack or mass of cotton-waste, canvas, or other bibulous, spongy, and elastic material, D, capable of

taking up a large amount of oil or other lubricant and yielding the same as needed to the axle-journal. The packing D should project above the edges *b* of the crib so as to constantly press against the under side of the axle-journal and thus keep the same well lubricated. The concave edges of the crib press upon and embrace the cushion below and prevent its displacement, while the flanges projecting horizontally from the ends of the crib serve to keep it in position within an axle-box of common form.

It will be seen that my crib is adapted to contain the packing without requiring any special or unusual form of axle-box, and that, being complete in itself, it is capable of being furnished in any number and used in the boxes now employed without change of the latter.

Claim.

I claim—

The bottomless crib, constructed as herein described, adapting it to be applied to an axle-box of common form and to hold a body of capillary material in contact with the journal, as explained.

THEODORE R. TIMBY.

Witnesses:

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