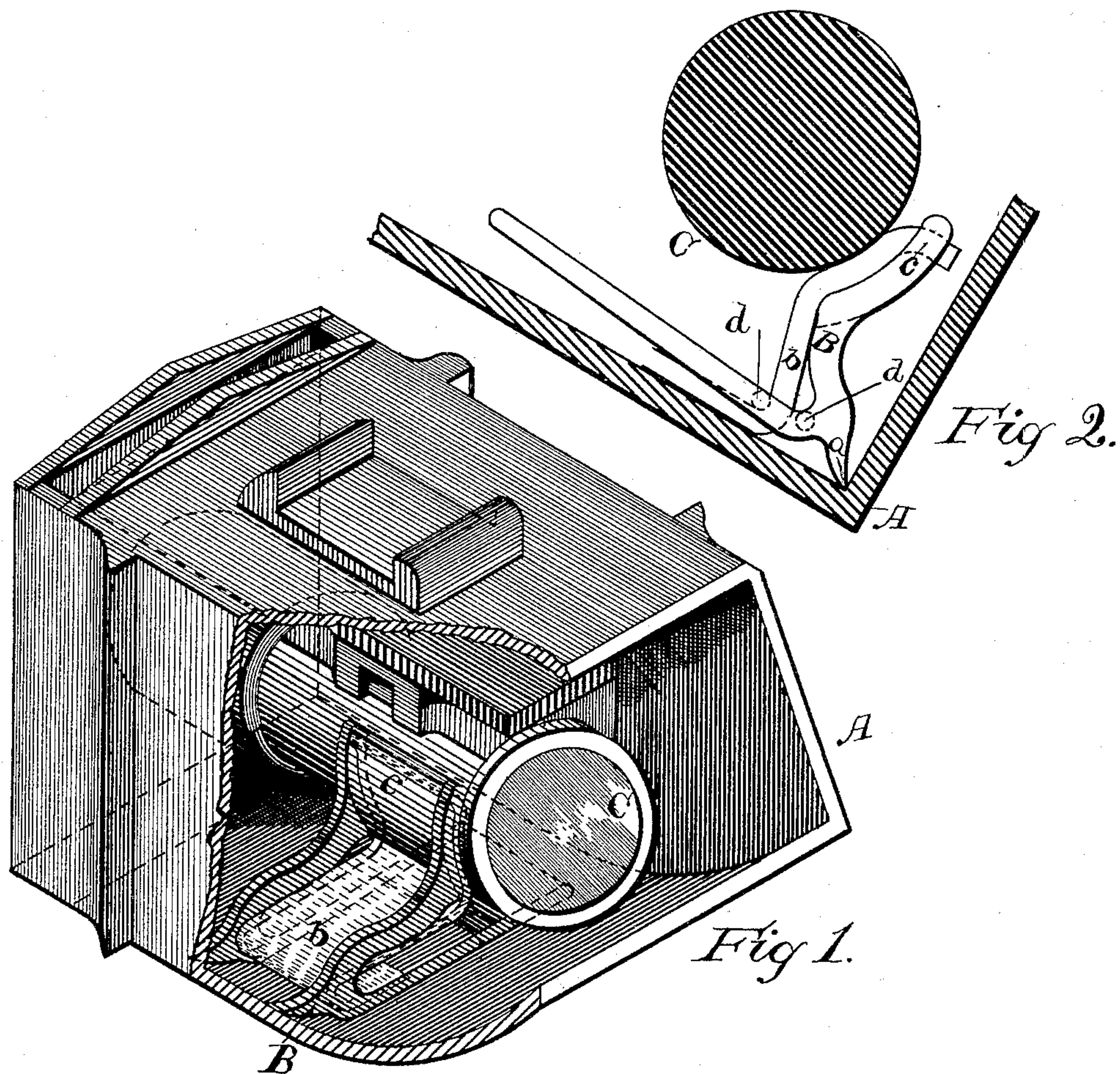


(No Model.)

A. L. CUSHMAN.  
CAR AXLE LUBRICATOR.

No. 421,351.

Patented Feb. 11, 1890.



Witnesses  
George H. Mills  
Hiram F. Carrick

Inventor.  
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# UNITED STATES PATENT OFFICE.

ABE L. CUSHMAN, OF CONCORD, NEW HAMPSHIRE.

## CAR-AXLE LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 421,351, dated February 11, 1890.

Application filed December 24, 1888. Serial No. 294,459. (No model.)

*To all whom it may concern:*

Be it known that I, ABE L. CUSHMAN, a citizen of the United States, residing at Concord, in the county of Merrimac and State of New Hampshire, have invented a new and useful Improvement in Car-Axle Lubricators, of which the following is a specification.

My invention relates to improvements in car-axle lubricators in which a chair or casting and wicking operates in conjunction with a car-axle box or housing; and the objects of my improvements are, first, to provide a sure and simple method of oiling car-axles; second, to assure a perfectly-lubricated bearing. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure I is a isometrical view of the lubricator applied to the car axle and box. Fig. II is a partial cross-section of the box and journal with the lubricator in position.

Similar letters refer to similar parts throughout the several views.

The axle-box A may be either the kind known as the "master car-builder's standard axle-box," or any other car-axle box serving the purpose of the same, to which may be applied the lubricator B, the lower corner *a* being the fulcrum-point, which rests in either lower corner of the box or housing A, (see Fig. II,) the other end not touching the journal C or box A, but supplied with a weight of the proper size to hold the felt or wicking *b* in contact with the axle C. The lubricator

is also provided with a longitudinal extending slot *c* near the top of the casting, which is provided with picks or pins cast therein for holding the felting or wicking *b* in proper position, and through the said slot *c* the wicking passes by the axle, and is held in contact therewith by the aforesaid weight, thence through between the rods *d d* and touching the bottom of the box or housing A.

The car-axle box may be provided with one or two lubricators B, one on either side of the journal. The box having been supplied with oil and the car put in motion, the oil will pass up the wicking *b*, coming in direct contact with the journal and perfectly lubricating the bearing.

I am aware that prior to my invention lubricators have been made to operate with felting in conjunction with a car-axle. I therefore do not claim that combination, broadly; but

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

A car-axle lubricator B, having thereon a fulcrum-point *a*, adapted to rest on the lower corners of a car-axle box, and the lubricator B, provided with a weight for holding the felting *b* in contact with the journal, operating in conjunction with and for oiling the journal, as set forth and described.

ABE L. CUSHMAN.

Witnesses:

GEORGE H. MILLS,  
HIRAM F. GERRISH.