

E. WAYLAND & L. M. BERRY.
 Vehicle-Axle Lubricator.

No. 207,920.

Patented Sept. 10, 1878.

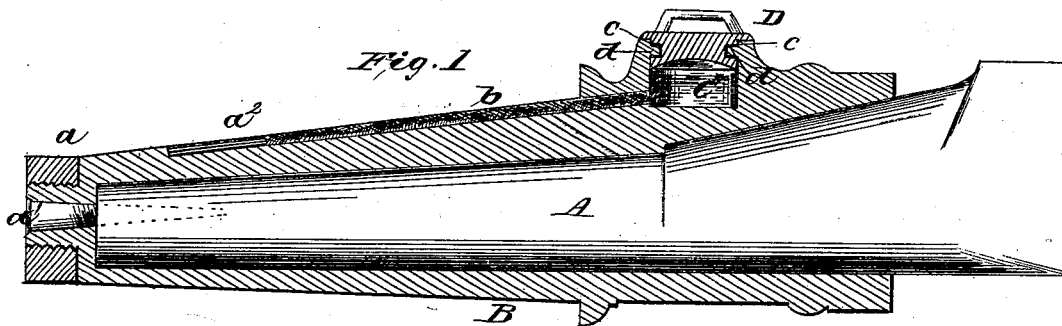


Fig. 2.

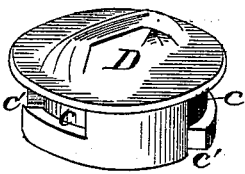
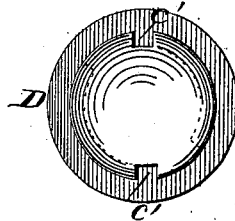


Fig. 3.



Witnesses
 Fred G. Sutch
 Edwin J. Smith

by

Inventors
 Eli Wayland
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 Myers & Co. Attys.

UNITED STATES PATENT OFFICE

ELI WAYLAND AND LARKIN M. BERRY, OF SALISBURY, MISSOURI.

IMPROVEMENT IN VEHICLE-AXLE LUBRICATORS.

Specification forming part of Letters Patent No. **207,920**, dated September 10, 1878; application filed July 2, 1878.

To all whom it may concern:

Be it known that we, ELI WAYLAND and LARKIN M. BERRY, of Salisbury, in the county of Chariton and State of Missouri, have invented certain new and useful Improvements in Cast-Iron Lubricating Thimble-Skeins for Wagons; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a longitudinal section of our improved axle-lubricator and metallic thimble-skein. Fig. 2 is a detached perspective view of the oil or lubricant box cover. Fig. 3 is an inverted plan view of the same.

Corresponding parts in the several figures are designated by like letters.

This invention relates to certain improvements in vehicle-axle lubricators, wherein metallic lubricating thimble-skeins are employed; and it consists in the arrangement of certain parts thereof, as hereinafter more fully set forth.

In the annexed drawing, A refers to the axle-arm, upon which fits the thimble-skein B, it being confined thereon by the headed screw-bolt *a'*, which enters the end of the axle-arm A.

By this construction and arrangement of parts the thimble-skein is held steadfastly and rigidly in position, and the loosening and displacement of the skein by reason of jarring is prevented.

In the thimble-skein B is a longitudinal groove, *a*², into which the lubricant or oil may be fed from the box C, into whose bottom it extends, wicking or other like material, *b*, placed therein. This method of feeding the

oil does it gradually, to prevent waste, &c. The box C is located on top of skein, in the shoulder or enlarged portion of the axle arm or spindle, and, being formed or cast as aforesaid, becomes a part of the skein. D is the cover or lid of the lubricant or oil box, provided in its sides or inclosed portion with opposite grooves, *c c*, terminating into opposite entrance-openings, *c' c'*. From the inner circumference or side of the box C extend projections or studs *d d*, which enter the grooves *c c* in the lid or cover D, through the entrance-openings *c' c'*, as the said cover is being adjusted to its place thereon, and by turning the cover to the right until the ends or corners of the grooves *c c* strike the studs *d* the cover will be locked in its place, to prevent dirt and sand from sifting into or entering the box, as heretofore, at its only exposed part, (the lid,) even when apparently securely fastened, and also to prevent jarring off of the lid, and the consequent waste of the lubricant.

Having thus fully described our invention, we claim and desire to secure by Letters Patent of the United States—

The oil-box C, supplying lubricant to the thimble-skein B on axle-arm A, having the internal studs *d*, in combination with the cover D, provided in its sides or inclosed portion with opposite grooves *c*, having vertical passages *c'*, adapted as to size for the reception of the internal stud *d*, substantially as shown, and for the purpose specified.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

ELI WAYLAND.
LARKIN M. BERRY.

Witnesses:

J. W. REDDING,
R. A. PATTERSON.