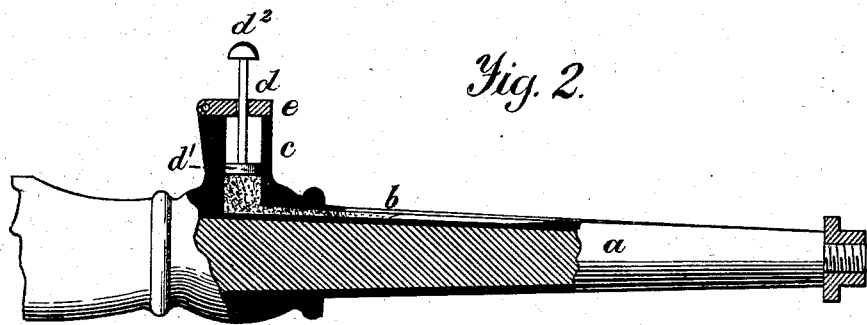
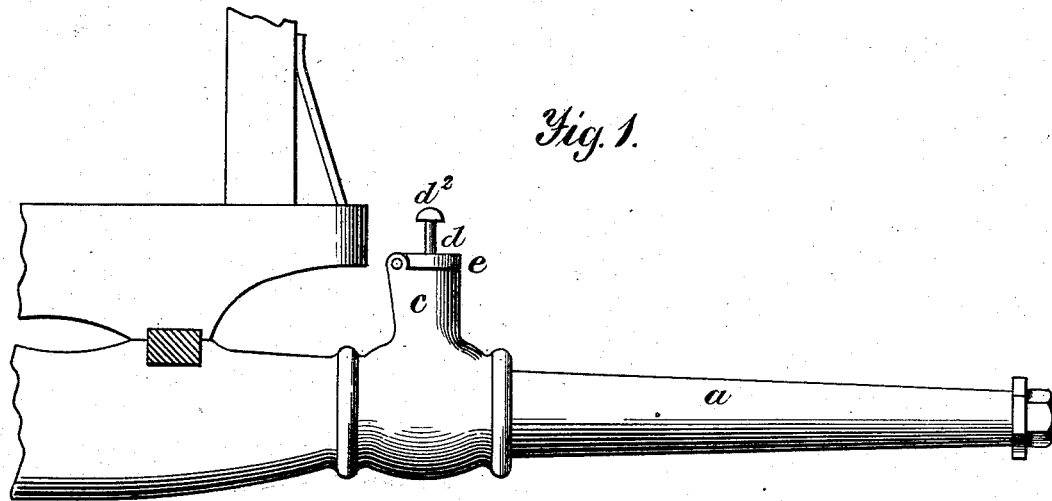


F. CRESSE & V. R. St. JOHN.
Vehicle-Axle Lubricator.

No. 219,347.

Patented Sept. 9, 1879.



Witnesses.
A. Ruppert.
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UNITED STATES PATENT OFFICE.

FRANK CRESSE AND VAN RENSELAER ST. JOHN, OF NEW HOLLAND, ILL.

IMPROVEMENT IN VEHICLE-AXLE LUBRICATORS.

Specification forming part of Letters Patent No. **219,347**, dated September 9, 1879; application filed June 11, 1879.

To all whom it may concern:

Be it known that we, FRANK CRESSE and VAN RENSELAER ST. JOHN, of New Holland, in the county of Logan and State of Illinois, have invented certain new and useful Improvements in Axle-Lubricators; and we do hereby declare that the following is a full, clear, and exact description of the invention, 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 an elevation of our improved axle-lubricating device; and Fig. 2 is a similar view, partly in section, to show the construction of the oil-cup, plunger, and oil-channel.

Like letters mark like parts in the two figures.

The object of this invention is to provide means for applying a suitable lubricant either in the form of oil or of any of the well-known forms of axle-grease of about the consistency in which we see them in the market, whereby a spindle or thimble-skein can be lubricated without removing the wheel and without loosening the spokes or otherwise impairing the hub by absorption of the oil or grease by the wood.

This invention relates to a certain improvement in axle-lubricators; and it consists of the parts composing the same, as hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawings, *a* marks a thimble-skein, which has in its upper surface a groove or channel, *b*, for conveying or guiding a suitable lubricant to the face of the thimble-skein *a* from the oil or lubricant chamber or cup *c*, cast in one piece with the thimble-skein *a*.

d is a piston, having a disk, *d'*, of the same

diameter as the cup *c*, whereby the operator can force oil or grease in its crude form from the cup through the channel *b*.

The piston *d* is provided with a head, *d'*, which gives a broad thumb-piece to press upon in forcing the plunger down.

The cup *c* may be provided with a cover, *e*, which also serves as a guide for the piston, and prevents the cover from flying open when not in use.

We cover the oil-channel about one-fourth of an inch below the shoulder.

The operation of our device will, from the foregoing description and the accompanying drawings, be clearly understood.

It will be seen that with our construction the oil will only come in contact with iron.

It will also be understood that while oil can be used in our lubricator, lubricants that will not flow can be used with equal advantage and facility.

It will be readily observed that where the axle-arm or spindle is cast of iron our improvements can be cast thereto at the same time.

Having thus fully described our invention, what we claim, and desire to secure by Letters Patent, is—

The thimble-skein *a*, having the channel *b* covered a short distance below the shoulder of said thimble-skein, disk *d'*, lubricant-chamber *c*, of equal diameter with disk *d'*, piston *d*, and perforated cover *e*, substantially as shown and described.

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

FRANK CRESSE.
VAN RENSELAER ST. JOHN.

Witnesses:

J. A. BOLINGER,
J. JULIUS MAYER.