

(No Model.)

J. B. LOW.

LUBRICATOR.

No. 264,176.

Patented Sept. 12, 1882.

Fig. 1.

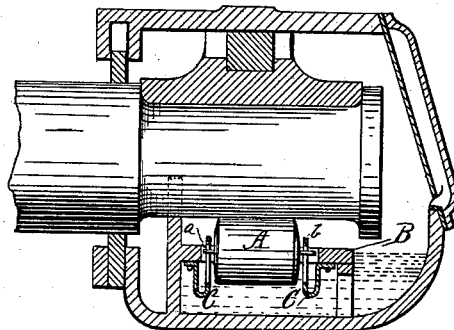


Fig. 2.

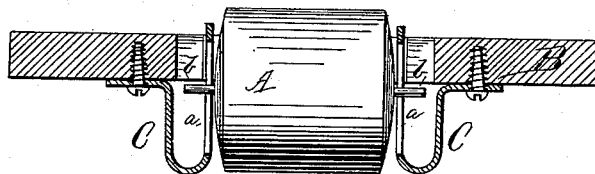
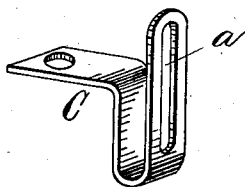


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN B. LOW, OF FALLS VILLAGE, CONNECTICUT.

LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 264,176, dated September 12, 1882.

Application filed July 17, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. LOW, a citizen of the United States of America, residing at Falls Village, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Lubricators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as 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 or figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in lubricators; and it consists in providing a float which is made of a material which is lighter than the lubricating substance, which float will be held by its own inherent buoyancy against the journal or other object to be lubricated, as will be hereinafter set forth, and pointed out in the claims.

On the annexed drawings, Figure 1 is a sectional view, showing my invention applied to a car-axle bar. Fig. 2 is a view of the same detached, and Fig. 3 is a detailed perspective view of the guides.

A represents a cylindrical float or lubricator, which is made of suitable buoyant material, cork or other light substance answering the purpose well. This float is supported in the oil-well or other liquid receptacle upon a suitable frame, B, which is provided with guides C C, having longitudinal grooves *a*, through which pass the guide-rods *b b*.

By the use of the lubricator herein described packing or other devices to convey oil to the journals are dispensed with, and the roll A, by its own inherent buoyancy, is kept in contact with the journal as long as there is sufficient

oil in the well to float the same, and its pressure against the object to be oiled is so slight that there is but little wear of the parts, and its simplicity is such that there are no parts to break or get out of order.

By means of the slotted guides C and journals the roller A is held securely in place, and is capable of a vertical and rotary motion without danger of displacement by a longitudinal movement. The guides C do not interfere or remove the oil from the roller, as would evidently be the case if the guides were arranged so as to bear upon the sides of the rollers.

This invention may be put to other uses than for oiling the journals of machinery without departing from the spirit of my invention, as the device illustrated in Fig. 2 of the drawings may be set in or upon a cup, and may be employed as a finger or stamp moistener for use in counting-rooms, as an article of stationery, or desk-furniture.

What I claim as new, and desire to secure by Letters Patent, is—

1. The roller A, made of buoyant material, journaled loosely at its ends in slotted guides, the whole being attached to an open frame, B, substantially as shown, and for the purpose set forth.

2. The roller A, composed of a buoyant material, and provided with end journals, *b b*, in combination with the guides C C, having vertical slots *a a*, and frame B, substantially as shown, for the purposes set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN B. LOW.

Witnesses:

THOS. L. NORTON,
H. E. NORTON.