

A. M. HIGGINS & N. DEVEREUX.
Lubricator.

No. 198,022.

Patented Dec. 11, 1877.

Fig. 1

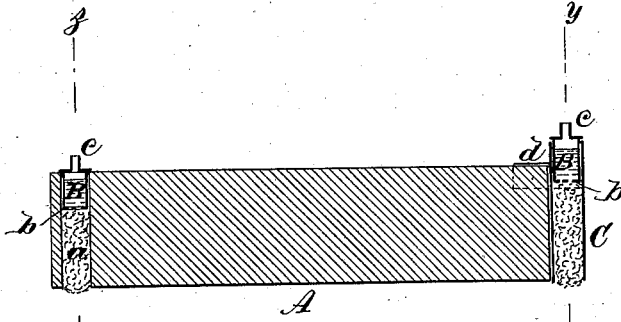


Fig. 2

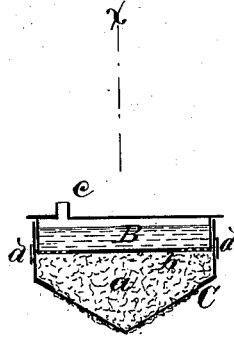
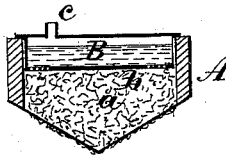


Fig. 3



WITNESSES:

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AMBROSE M. HIGGINS AND NEWTON DEVEREUX, OF MANTON, R. I.

IMPROVEMENT IN LUBRICATORS.

Specification forming part of Letters Patent No. **198,022**, dated December 11, 1877; application filed October 26, 1877.

To all whom it may concern:

Be it known that we, AMBROSE M. HIGGINS and NEWTON DEVEREUX, of Manton, in the county of Providence and State of Rhode Island, have invented a new and Improved Lubricator, of which the following is a specification:

Figure 1 is a longitudinal section of an engine-slide, taken on line *xx* in Figs. 2 and 3. Fig. 2 is a transverse section taken on line *yy* in Fig. 1. Fig. 3 is a transverse section taken on line *zz* in Fig. 1.

Similar letters of reference indicate corresponding parts.

Our invention consists in a chamber formed at the ends of the engine-slide for receiving cotton waste or other fibrous material, and in an oil-receptacle having a perforated bottom, and fitted to the chamber in the slide, for supplying oil to the cotton waste.

In the drawing, A is the engine-slide, in which there is a chamber, *a*, which opens on the face and on the back of the slide. In this chamber a quantity of cotton waste is placed, which projects beyond the face of the slide.

An oil-receptacle, B, having a perforated bottom, *b*, and a filling-aperture, *c*, is fitted to the chamber *a*, with its perforated bottom *b* in contact with the cotton waste contained by the chamber. This oiling device may be attached to one or both ends of the slide, or it may be attached to the guides or ways.

Instead of forming a chamber in the substance of the slide, as described, a box, C, may

be secured, by straps *d*, to the end of the slide, and the cotton waste and oil-receptacle placed therein, as in the other case.

By means of our improvement the slide is kept constantly lubricated and cleaned from dust and dirt. When the cotton waste becomes gummed or filled with dirt it is easily removed and replaced by taking out the oil-receptacle.

The oil-receptacle, being closed, so as to prevent the entrance of air except through the perforated bottom, retains the oil until the waste in contact with perforated bottom becomes sufficiently dry to allow a small quantity of air to enter the receptacle through the perforations, when a small quantity of oil escapes to the cotton waste.

It will thus be seen that the exact amount of oil required to lubricate the slide is supplied to the cotton waste, which constantly supplies it to the guides.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination, with an engine-slide, A, of the bottom-perforated oil-reservoir B, arranged at the end of slide, substantially as shown and described.

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Witnesses:

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