(No Model.)

E. McCORKINDALE.

LUBRICATOR.

No. 578,758. Patented Mar. 16, 1897.

Fig. 1.

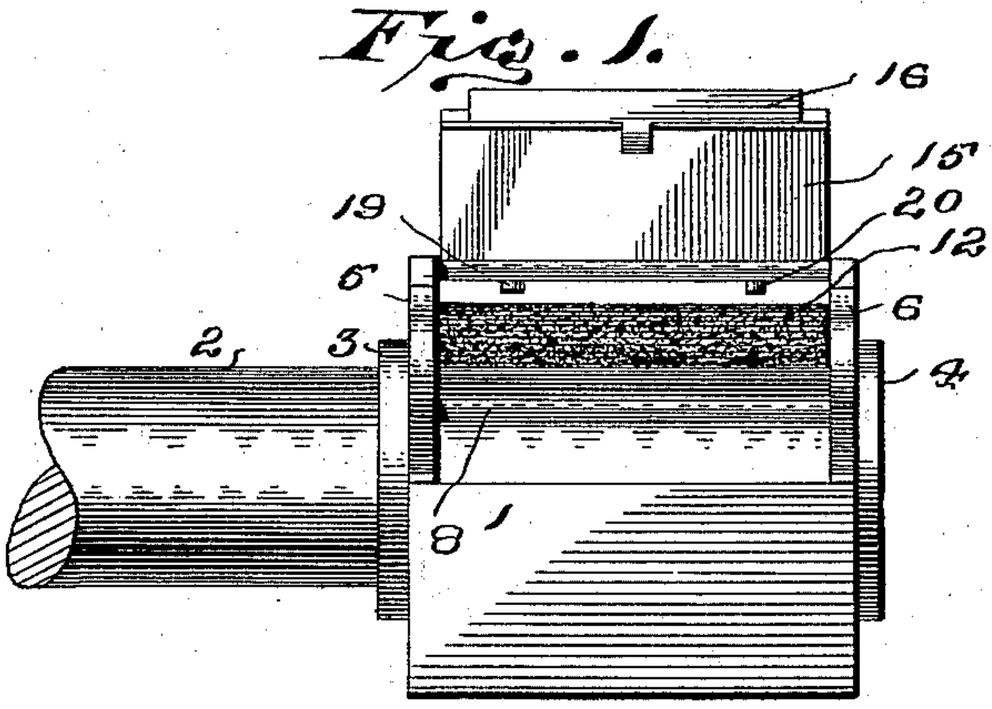


Fig. 2.

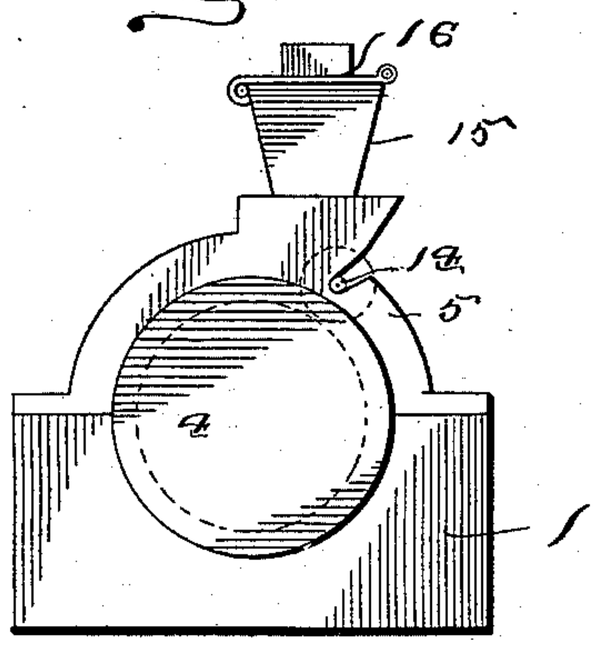


Fig. 3.

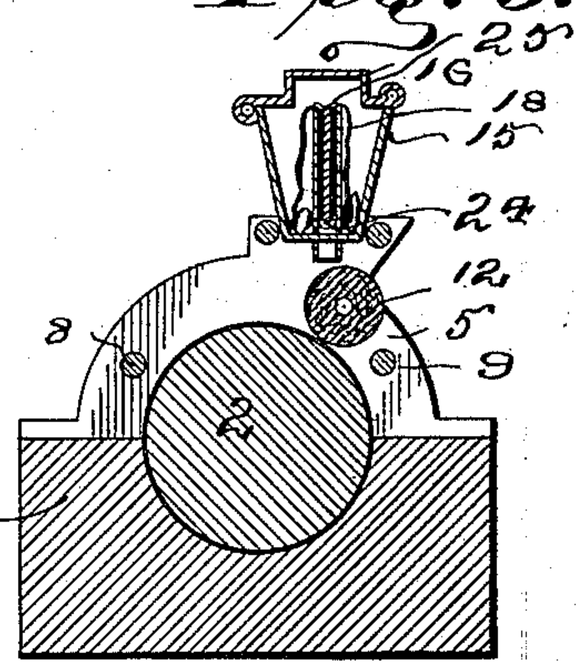
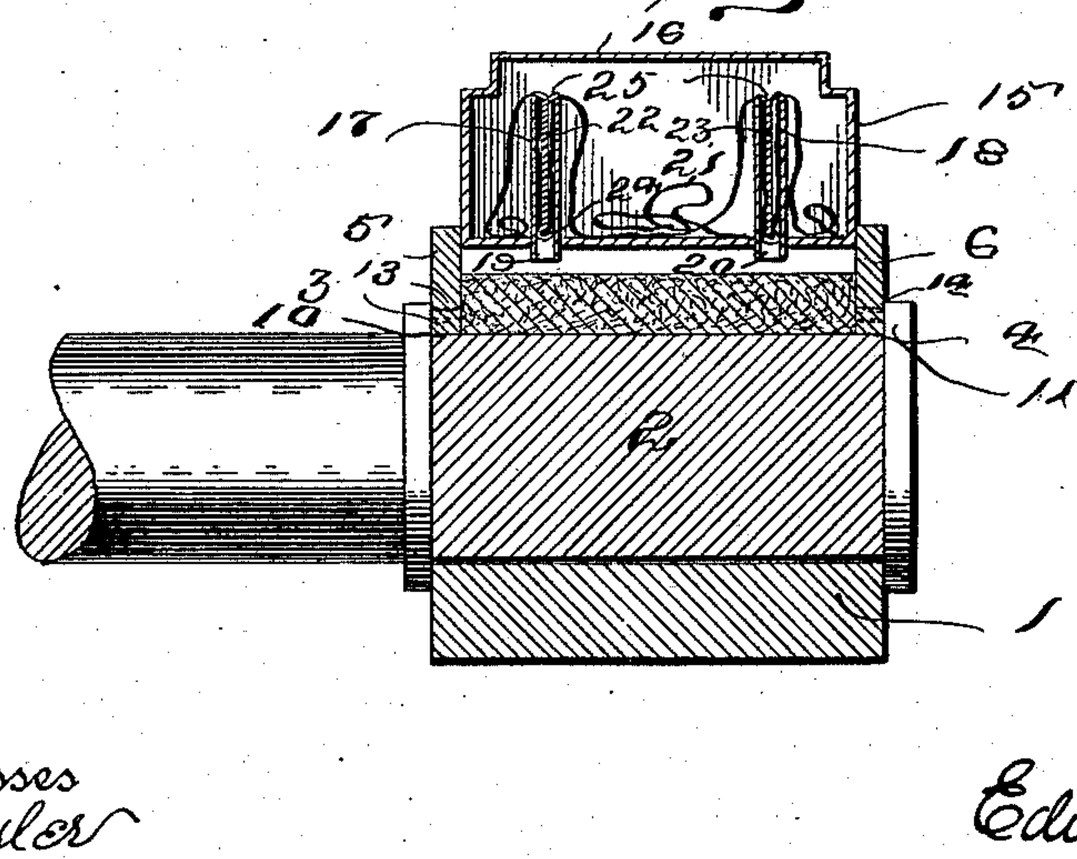


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

EDWARD McCORKINDALE, OF HOLYOKE, MASSACHUSETTS.

LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 578,758, dated March 16, 1897.

Application filed July 20, 1896. Serial No. 599,894. (No model.)

To all whom it may concern:

Be it known that I, EDWARD MCCORKINDALE, a citizen of the United States, residing at Holyoke, in the county of Hampden and State of Massachusetts, 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.

My invention relates to lubricators for open bearings or those which are journaled in only one pillow-block.

My object is to provide a more simple and cheap lubricator of the class described which can be quickly and easily applied to the journal, and one which, owing to its peculiar construction, will be adapted to hold a large quantity of oil and to evenly feed the same to the journal, so that refilling will only become necessary at comparatively great intervals.

Having this object in view, my invention consists of a lubricator of novel and improved construction, as will appear more fully hereinafter.

In the accompanying drawings, Figure 1 is a front elevation; Fig. 2, an end view; Fig. 3, a sectional end elevation, and Fig. 4 a longitudinal sectional view.

The numeral 1 designates the pillow-block of an open bearing of ordinary construction, while 2 is the journal, which is provided with wear-collars 3 and 4.

My improved lubricator is provided with arched end pieces 5 and 6, which straddle the journal, and each of these end pieces has feet which are adapted to be connected to the pillow-block.

The numerals 8 and 9 designate strengthening cross-bars which connect the end pieces of the lubricator. The end pieces are cut away to form inclined bearing-notches 10 and 11.

The numeral 12 designates a felt-covered lubricating-roller which is provided with journals 13 and 14, which are received in the bearing-notches, and the periphery of this roller bears lightly yet snugly against the journal, so that an evenly-distributed film of oil will be placed on the latter.

The numeral 15 designates the oil box or receptacle, which is connected to the extreme upper portions of the end pieces and extends between them, said oil-receptacle being provided with a suitable hinged top 16, having any preferred form of catch mechanism. There are two supply-tubes 17 and 18, whose upper ends project up into the cover slightly and their lower ends pass through the bottom of the receptacle to form short spouts 19 and 20, which lie immediately over the lubricating-roller. A wick 21 is coiled in the oil-receptacle.

The numerals 22 and 23 designate pins which project down into the delivery-tubes, and each of which is provided with an eye 24, through which the wick passes, and has a head 25, which prevents it from dropping too far in the tube. These pins hold the ends of the wick at or near the junction of the tube with the bottom of the receptacle.

The operation is obvious and as follows: The oil is drawn up by capillary attraction through the wick and into the tubes and drops down through them regularly onto the lubricating-roller, which soon becomes properly saturated, and as the journal revolves it applies to the latter a thin and evenly-distributed film of oil.

The construction of my lubricator is such that it is adapted to hold a large supply of oil and to properly feed the same, so that replenishing need only be done at comparatively great intervals, and the lubricator is extremely economical.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a lubricator, the combination with a journal, of a lubricating-roller in contact therewith, and a lubricant-receptacle located above the lubricating-roller and provided with openings which allow the lubricant to drip onto the lubricating-roller.

2. In a lubricator, the combination with a journal, of a lubricating-roller, a lubricant-receptacle, a feed-tube adapted to deliver the lubricant onto the roller, and a wick for elevating the lubricant into the feed-tube.

3. In a lubricator, the combination with a journal, of a lubricating-roller, a lubricant-receptacle, a feed-tube which projects up into the lubricant-receptacle and is adapted to de-

liver the lubricant onto the roller, and a wick extending into the receptacle and the feed-tube being adapted for elevating the lubricant into the latter.

4. In a lubricator, the combination with a journal, of a lubricating-roller in contact with the journal, a lubricant-receptacle, a feed-tube projecting up into said receptacle and adapted to deliver the lubricant onto the roller, a wick having a portion located in the receptacle, and a pin projecting down into the feed-tube and to which the wick is connected.

5. In a lubricator, the combination with a journal, of a lubricating-roller, a lubricant-receptacle, a feed-tube projecting up into said receptacle and adapted to deliver the lubricant onto the roller, a pin having an eye at its lower end and provided with an upper head, and a wick passing through the eye of the pin and having a portion lying in the receptacle, said pin being located in the feed-tube.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

EDWARD McCORKINDALE.

Witnesses:

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F. J. PHELPS.