S. USTICK.

Improvement in Lubricators for Car-Axle Boxes.

No. 126,349. Patented April 30, 1872.

FIG. 1

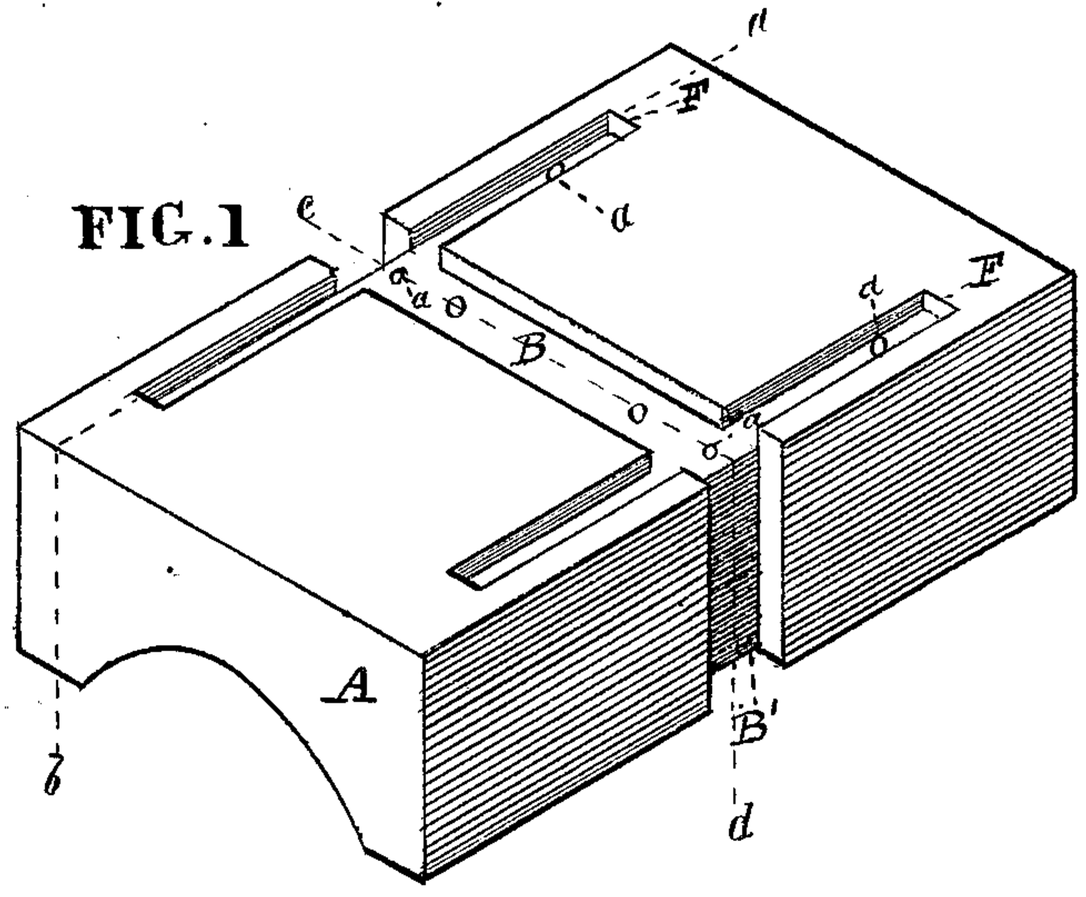


FIG. 2

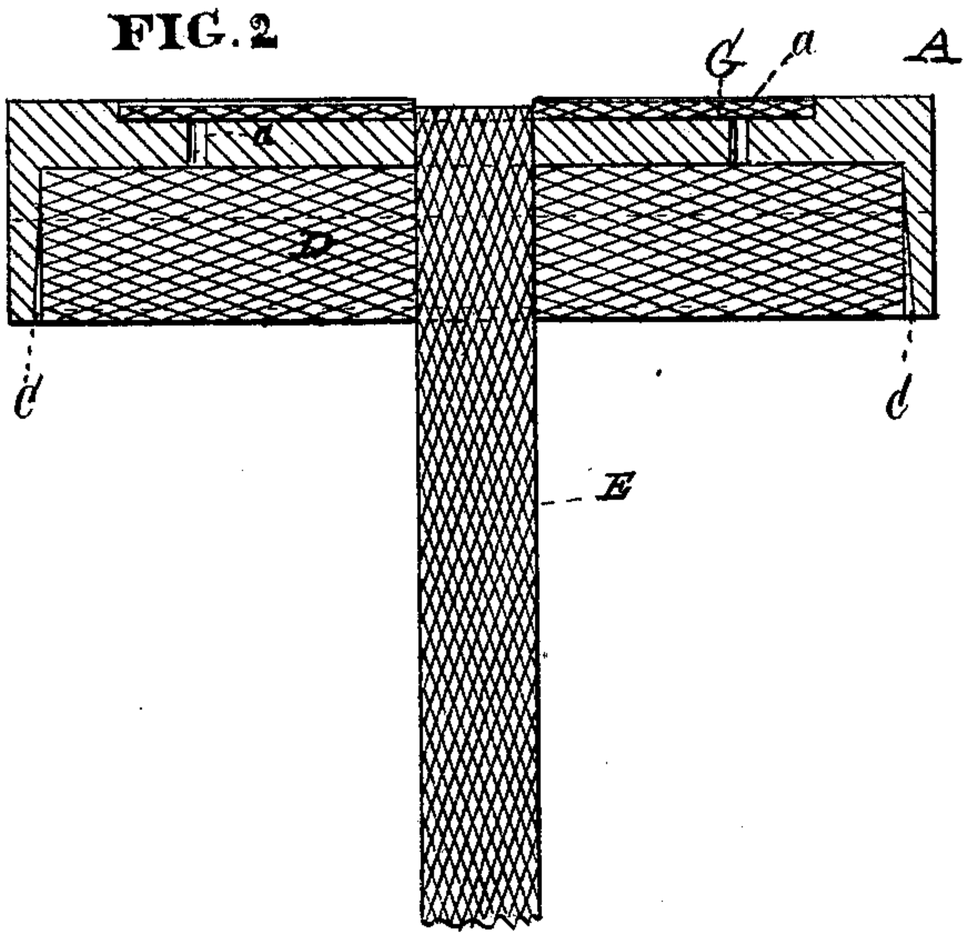
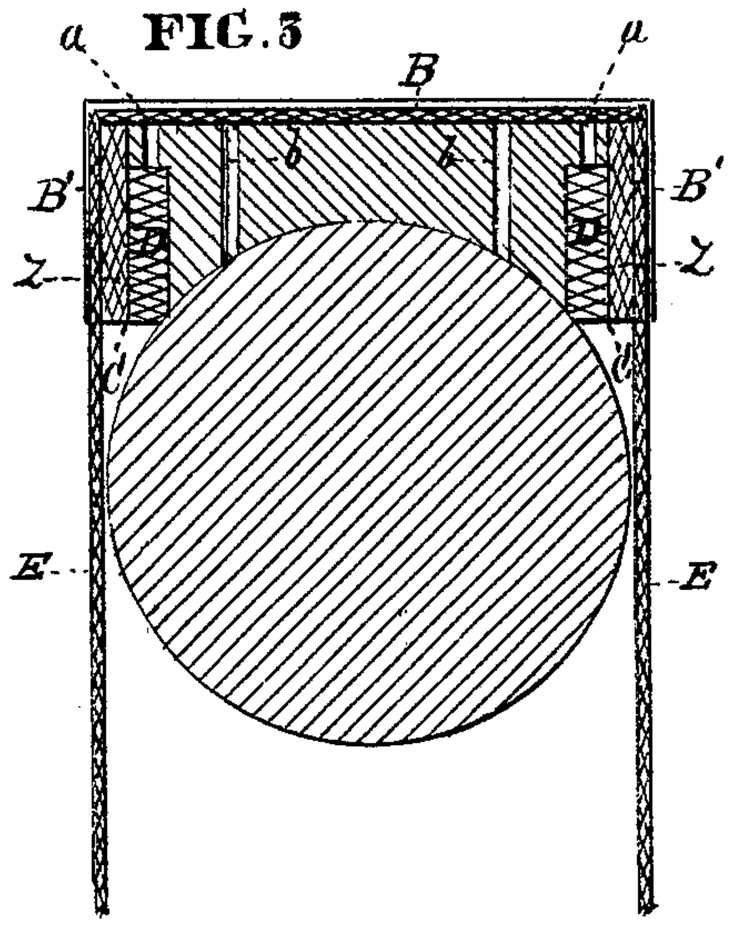


FIG. 3



Witnesses

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UNITED STATES PATENT OFFICE.

STEPHEN USTICK, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN LUBRICATORS FOR CAR-AXLE BOXES.

Specification forming part of Letters Patent No. 126,349, dated April 30, 1872.

Specification describing certain Improvements in Lubricators for Car-Journals, invented by STEPHEN USTICK, of the city of Philadelphia and State of Pennsylvania.

My invention relates to the combination of one or more cross-recesses in the top and edges of the bearing for conveying oil to the wearing face of the latter, as hereinafter described.

Figure 1 is an isometrical view of a bearing, A, and wick E removed. Fig. 2 is a longitudinal section at the line *a b* of Fig. 1. Fig. 3 is a cross-section at the line *c d* of Fig. 1.

Like letters in all the figures indicate the same parts.

A is the bearing, which has a cross-groove or recess, B, in its upper side and vertical recesses C C in its under side, near the edges, which contain the distributing-pads D D. E is a wick, the middle portion of which lies in said grooves. The ends of the wick hang down through the vertical grooves B′ B′ in the edge of the bearing, and, in practice, lie in the bottom part of the journal-box or other oil-reservoir. The oil, by means of capillary attraction, passes up the wick E from each end and is supplied to the distributing-pads D D; the inner side of the wick lying against the outer sides of the pads or the interposed vertical strips Z. The upper side of the bearing has longitudinal grooves F F, which contain pads G G. Perforations *a* connect the grooves with the recesses C C.

Oil passes from the wick E into the pads, and also from the pads D D, through perforations *a*, so as to supply oil from one pad which may have an excess of oil to the other pad when it has a deficiency of oil. The oil also passes from the wick E through perforations *b* to the face of the bearing.

I claim as my invention—

1. The cross-grooves B B′ B′ in the upper side and edges of the bearing A in combination with the wick E, substantially in the manner and for the purpose above described.

2. The combination of the wick E with the distributing-pads D D, substantially as and for the purpose set forth.

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