

(No Model.)

W. H. KENDALL.
JOURNAL BOX.

No. 584,740.

Patented June 15, 1897.

Fig. 1.

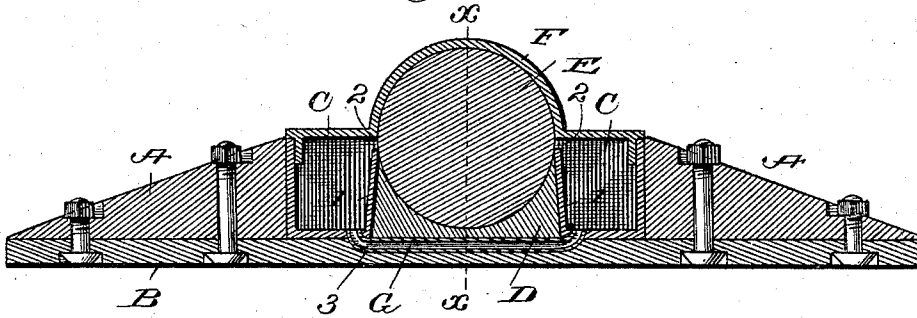
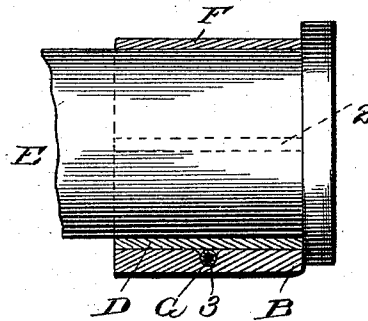


Fig. 2.



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WILLIAM HENRY KENDALL, OF CLEVELAND, OHIO.

JOURNAL-BOX.

SPECIFICATION forming part of Letters Patent No. 584,740, dated June 15, 1897.

Application filed November 5, 1896. Serial No. 611,124. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HENRY KENDALL, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Journal-Boxes, of which the following is a specification, reference being had therein to the accompanying drawings.

In Letters Patent No. 568,313, granted to me September 22, 1896, I have illustrated, described, and claimed a journal-box in which there is an oil-receptacle on each side of the bearing-block, the oil during the revolution of the journal being drawn from the receptacles by suction, whereby constant lubrication without the use of wicking or other similar material is assured. In practice I have discovered that the oil is really drawn from the one receptacle in the direction of revolution of the journal and in the rapid revolution of the journal is deposited in the opposite receptacle, with the result that in time practically all the oil is drawn from one receptacle and deposited in the other.

To overcome the above-noted objection by providing means whereby the oil can at all times be maintained practically at a level in both receptacles is the object of my present invention.

The invention will first be described in connection with the accompanying drawings and then pointed out in the claims.

Figure 1 of the drawings is a central longitudinal sectional view of the journal-box provided with my improvement, the axle-journal being in place. Fig. 2 is a sectional view on the line *x x*, Fig. 1.

The journal-box having been described in detail in the above-noted patent, nothing more than a general description of the parts thereof is deemed necessary herein, which description is as follows:

A are the abutments, securely bolted to the base-plate B; C, the oil-receptacles; D, the bearing-block, designed to receive the axle-journal E, the bearing-block and abutments serving to hold the receptacles in place, and F the cap-plate, adapted to fit over the journal and also cover the oil-receptacles. The

inner wall 1 of each oil-receptacle terminates a short distance below the cap-plate F, leaving a narrow recess 2, through which oil may reach the journal. In operation the revolution of the journal will by suction draw the oil from the receptacle in the direction of revolution of the journal and deposit the same in the opposite receptacle.

My present invention consists in establishing communication between the receptacles C by means of a conduit, which preferably consists of a tube G, resting in a groove 3 in the upper surface of the base-plate B, the upturned ends of the tube opening into the respective receptacles, as shown. By this construction a practically uniform level of oil is maintained in the receptacles at all times, as will be evident.

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

1. In a journal-box, the combination, with a base-plate and two abutments removably secured thereto, of a bearing-block resting on the base-plate and adapted to receive a journal, an oil-receptacle on each side of said block, and a cap-plate for the receptacles and journal, said receptacles being in open communication with each other and each formed with a recess opening directly upon the journal, substantially as described.

2. In a journal-box, the combination with a base-plate and two abutments removably secured thereto, of a bearing-block resting on the base-plate and adapted to receive a journal, an oil-receptacle on each side of said block, a cap-plate for the receptacles and journal, said receptacles being each formed with a recess opening directly upon the journal, and a tube resting in a groove in the base-plate, the upturned ends of the tube opening into the respective receptacles, substantially as described and for the purposes stated.

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

WILLIAM HENRY KENDALL.

Witnesses:

TRUMAN D. PECK,
JOHN A. KENDALL.