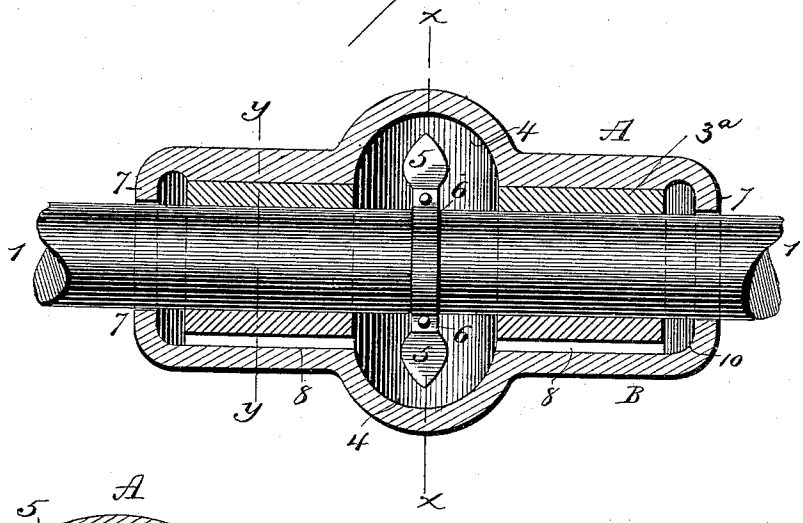
(No Model.)

E. HUBER.

LUBRICATOR.

No. 427,575. Patented May 13, 1890.

Fig. 1.



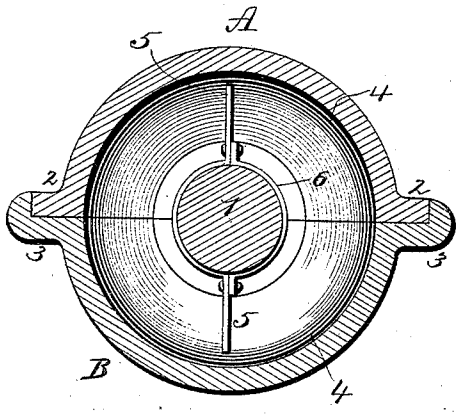


Fig. 2.

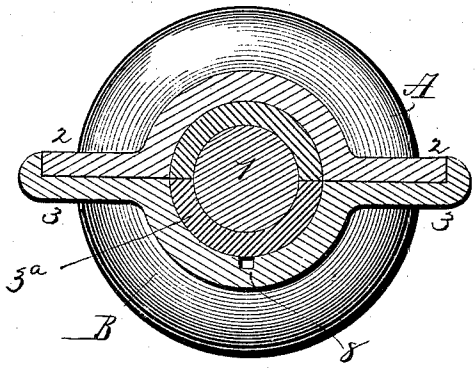


Fig. 3.

Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

EDWARD HUBER, OF MARION, OHIO.

LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 427,575, dated May 13, 1890.

Application filed November 14, 1889. Serial No. 330,331. (No model.)

To all whom it may concern:

Be it known that I, EDWARD HUBER, of Marion, in the county of Marion and State of Ohio, 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 an improvement in lubricators, and the object is to provide an improved device for holding, supplying, and distributing a lubricant for bearings, and one which may be easily applied or removed and repacked or replaced, if need be.

With these ends in view my invention consists in a box constructed in longitudinal half-sections, with an enlarged annular oil-chamber in the center, to which suitable drip-channels lead, in connection with a shaft having one or more fins or agitators thereon, which pass through the oil in the bottom of the oil-chamber as the shaft revolves and splash it over the shaft.

My invention further consists in certain novel features of construction and combinations of parts, as will be hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a longitudinal sectional view through the lubricator. Fig. 2 is a transverse section on line *x x* of Fig. 1, and Fig. 3 is a similar section on line *y y* of Fig. 1.

A and B represent the upper and lower sections of the lubricator. These sections are placed around the shaft 1, forming a cylindrical sleeve, and they are held together by means of the flanges 2 and 3, which lie face to face, and the latter of which preferably overlaps the edge of the former, as shown in Figs. 2 and 3. The sections are filled and the shaft is surrounded with a bushing 3^a, which constitutes a bearing for the latter.

An enlargement constituting an annular oil-chamber 4 is formed in the middle of the lubricator, and one or more fins or agitators 5 are held, by means of a sectional band 6 or otherwise, to the shaft 1 at this point. These fins or agitators may be flattened and enlarged at the outer ends, and, if desired, might be spoon-shaped, in order to better scoop up or agitate the oil which finds its way to the bottom of the chamber. The ends of the lubricator extend inward, forming bearings 7 7, if need be, for the shaft at this point, and at any rate this portion of the device approaches the shaft near enough to prevent the lubricant from working out to any great extent or more than a sufficiency to keep the shaft nicely oiled at this point, as well as along its surface inside the lubricator. A pair of drip-channels 8 8 lead along the bottom of the lubricator from each end into the central chamber 4. A small chamber 10 is formed at each end for the superfluous oil to collect in, and from there it drips into the drip-channels 8 8.

The sections may be riveted or bolted together through the flanges 2 and 3, and an oil-duct is formed somewhere in the lubricator to receive the oil which is poured into it.

By the use of this lubricator no oil is wasted, and it is only exhausted by friction. The fins or agitators splash it over the shaft, and the surplus returns to the chamber 4, thus keeping the oil in continuous motion while the shaft rotates.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the particular construction herein set forth; but,

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

The combination, with a shaft having flattened agitators secured thereto, of a box composed of sections, said sections having side flanges, by which they are held together, the box having a circumferential oil-chamber at the center and at the ends, and ducts formed in the bottom of one of the sections and connecting the chambers, and bushings which form bearings for the shaft and which fill the spaces between the oil-chambers, the said oil-chambers being closed and pierced centrally or approximately centrally by the shaft, substantially as set forth.

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

EDWARD HUBER.

Witnesses:
J. A. HUNTER,
JNO. J. CRAWLEY.