(No Model.)

B. V. HUBBARD.

JOURNAL LUBRICATOR.

No. 452,477. Patented May 19, 1891.

Fig. 1.

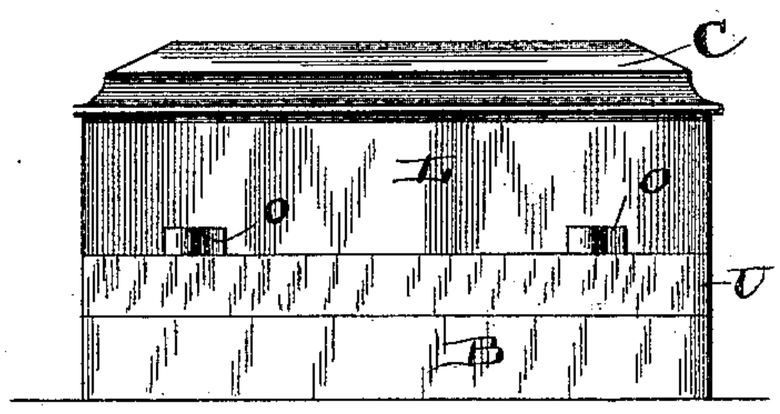


Fig. 2.

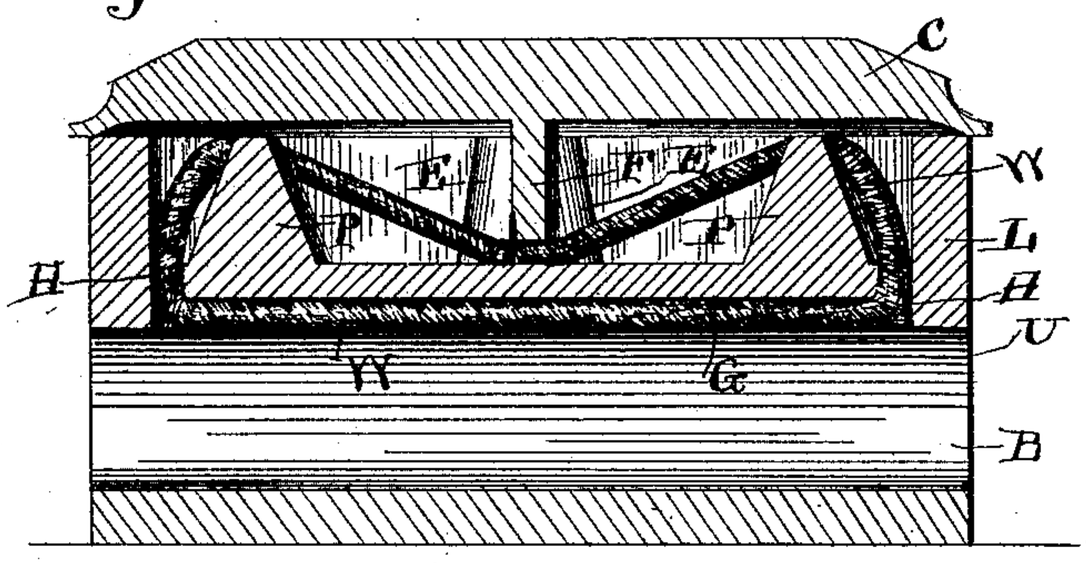


Fig. 3.

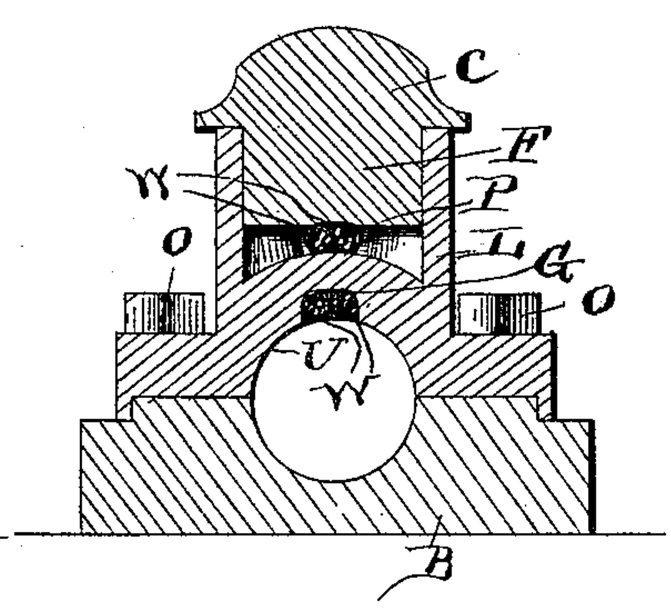


Fig. 4

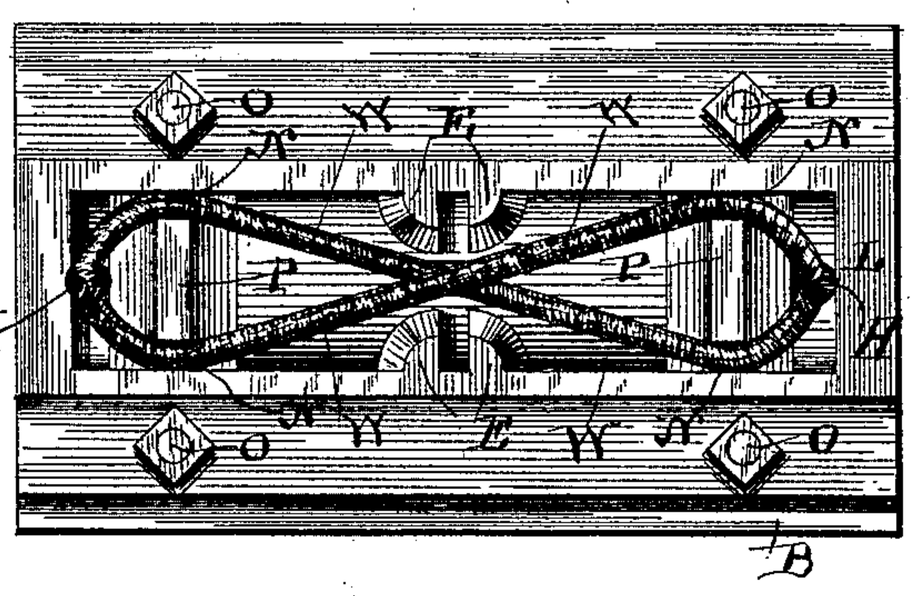


Fig. 5.

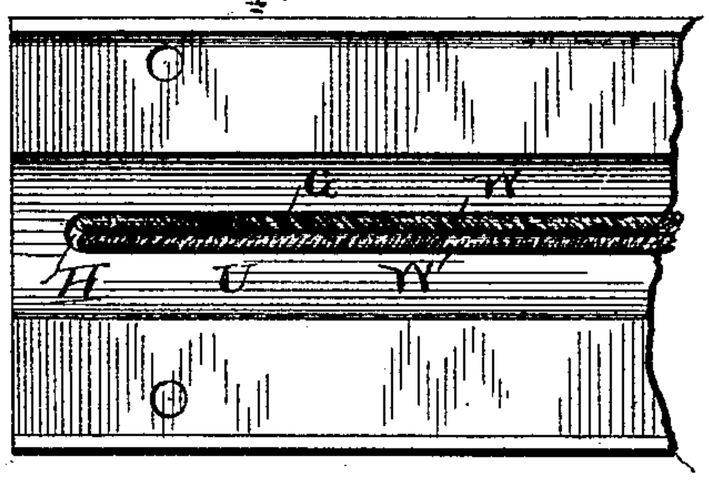
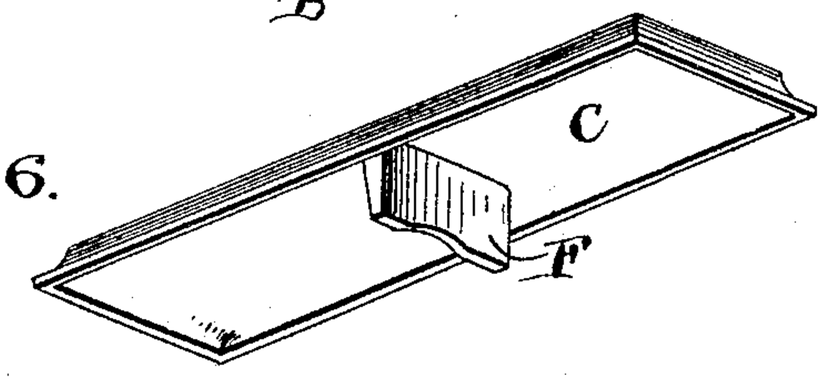


Fig. 6.



Witnesses

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UNITED STATES PATENT OFFICE.

BENJAMIN V. HUBBARD, OF TEMPLE, TEXAS.

JOURNAL-LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 452,477, dated May 19, 1891.

Application filed December 20, 1890. Serial No. 375,361. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN V. HUBBARD, a citizen of the United States, residing at Temple, in the county of Bell and State of Texas, have invented a new and useful Journal-Lubricator, of which the following is a specification.

This invention relates to the journals or bearings of shafts, and more especially to the lubricators thereof; and the object of the same is to provide certain improvements in lubricators of this class.

To this end the invention consists of the details of construction hereinafter more fully described and claimed, and as illustrated in the drawings, in which—

Figure 1 is a side elevation of this improved bearing and lubricator. Fig. 2 is a longitudinal, and Fig. 3 a transverse central section, of the same. Fig. 4 is a plan view of the lubricator with the cover removed. Fig. 5 is a bottom plan view of the upper side of the bearing. Fig. 6 is a perspective detail of the cover, taken from the under side.

Referring to the said drawings, the letter B designates a bearing upon or in which turns a shaft, (not shown,) and above this bearing is the complementary upper member U thereof, these members being connected by bolts O in the ordinary and well-known manner. Mounted upon the upper member is my improved lubricator L, which comprises a box having partitions P across within the same near each end, which partitions are provided with notches N near their ends, as shown in Fig. 4. Outside of these partitions are holes H, which communicate with a groove G upon the lower surface of the upper side of the bearing, as seen in Fig. 5.

The letter C designates a cover, which may be connected to the box or otherwise, but preferably has a depending flange F near its center. (See Fig. 6.) Within the box at each side is a pair of ears E, between which the flange F passes when the cover is closed. Two wicks W, which are of cord shape, lie in the box, wherein they preferably, although not necessarily, cross at the center, passing thence through the notches in the partitions down through the holes H and along the groove G in two strands, as shown.

The box being filled with a suitable liquid lubricant and the cover closed, the lower edge of the flange F depresses the wicks W, submerging them at the center of the box, and the wicks absorb oil at this point as long as any remains in the box. The oil is led thence by capillary attraction along the wicks W down through the holes in the bottom of the box and into the groove G, whence it is delivered by direct contact upon the upper side of the rotating shaft which it is desired to lubricate.

A lubricator of this character will last a very long time and will drain every drop of oil from the box, yet when the cover is raised the wicks rise by their tension and may be grasped by the operator to be cleaned or replaced. Both of the wicks will hardly ever break or wear out at the same time, and as long as one strand remains oil will be conveyed from the box to the shaft. The stringing of the wicks may be considerably changed without departing from the spirit of my invention, and other details of the construction are also susceptible of considerable modification.

What is claimed as new is—

1. The herein-described lubricator, the same comprising a box mounted on a bearing and communicating therewith by a pair of holes near its ends, partitions across said box adjacent said holes and provided with notches, cord-shaped wicks lying in the box, passing through said notches and holes and lying along the top of the bearing, a cover for said box, and a flange depending therefrom for depressing the wicks to the bottom of the box, as and for the purpose set forth.

2. The herein-described lubricator, the same comprising a box mounted on a bearing and communicating therewith by a pair of holes near its ends, a partition across said box adjacent each hole and provided with two notches, a pair of inwardly-extending ears at the center of each side of the box, loop-shaped cord wicks crossing at the center of the box, passing over the two notches in each parti-

tion, converging and passing through the holes, and lying along the top of the bearing, a cover for the box, and a flange depending therefrom and passing between said ears for depressing the wicks, as and for the purpose hereinbefore set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

BENJAMIN V. HUBBARD.

Witnesses:
J. H. SIGGERS,
J. A. SAUL.