J. H. BURNETT.

LUBRICATORS FOR JOURNALS.

No. 190,665. Patented May 15, 1877.

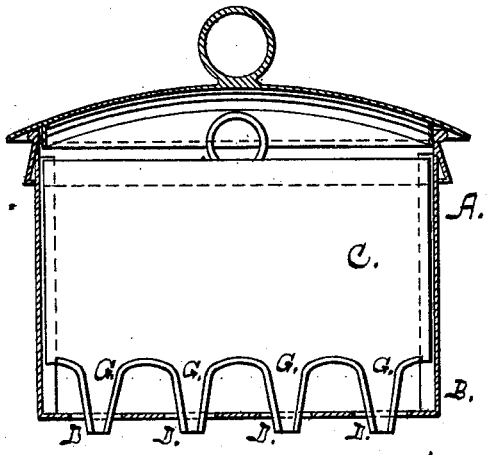

Fig. 1

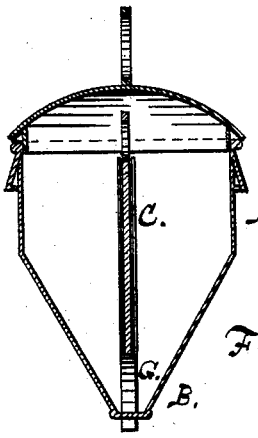

Fig. 2

Witness
Horace Harris
to
Isaac Peckham

Inventor
James H Burnett,

UNITED STATES PATENT OFFICE.

JAMES H. BURNETT, OF NEWARK, NEW JERSEY, ASSIGNOR TO CHARD, HOWE & WEBER, OF NEW YORK, N. Y.

IMPROVEMENT IN LUBRICATORS FOR JOURNALS.

Specification forming part of Letters Patent No. **190,665**, dated May 15, 1877; application filed April 6, 1877.

To all whom it may concern:

Be it known that I, JAMES H. BURNETT, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Lubricators for Journals, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a longitudinal section, and Fig. 2 is a cross-section.

The object of my invention is to provide a lubricator for journals that is easily adjusted and automatic in its action, and very perfectly meeting a long-felt demand.

For this purpose I construct a box to contain the grease to be used in lubricating. This box is made with sides beveled at the lower end B, so that at the bottom the sides approach nearly together, leaving a space for the metallic plate C between them. The object of these beveled sides is to provide that all the grease in the box shall tend toward the bottom, where are apertures D, one or more, through which, when melted, the grease shall flow out upon the journal.

This plate C is composed of one or more metals. One may be made to answer; but it is believed that usually the union of two or more will be preferable, as, in this instance, I unite zinc and copper. This union of metals is for a better electrical effect for heating the plate and melting the grease.

This plate is constructed with the recessed feeders G. The recesses are on the sides, the better to conduct the melted grease down upon the journal, although it is not positively necessary that these feeders shall be recessed, for, in some instances, they may have plain sides, and be made to serve the purpose.

These feeders are made to pass through the apertures D in the box, and when in use, as the box is adjusted over the journal, the end of these feeders projecting below the box will rest on the journal, and will be warmed by the friction of the revolution of the journal, and thus, being warmed, will cause the grease to melt and flow down the feeders onto the journal.

In some cases, for the lubrication especially of large journals, it may be necessary to have two, or even more, of these plates fitted to work in one box. Therefore,

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The case or box A, having the sides beveled at the lower end B, and fitted with an opening, D, through which the grease is to be fed to the journal by one or more feeder-plates, C, substantially as and for the purpose specified.

2. The metal plate C, having the feeders G working vertically in and through the box A, to have a bearing on a journal to be lubricated, substantially as and for the purpose set forth.

JAMES H. BURNETT.

Witnesses:
HORACE HARRIS,
ISAIAH PECKHAM.