

(No Model.)

E. VERNY.
LUBRICATOR.

No. 382,915.

Patented May 15, 1888.

Fig. 1.

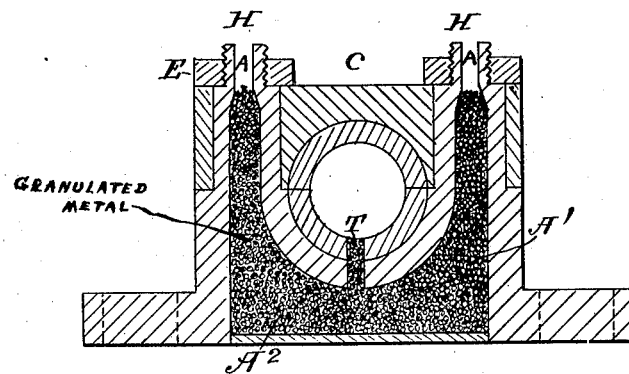
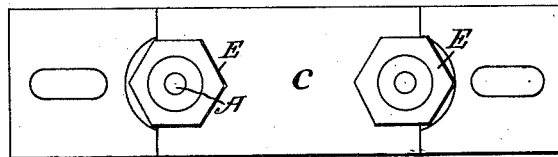


Fig. 2.



Witnesses:
Charles H. H. H.
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Inventor:
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by *A. J. W. W.*

UNITED STATES PATENT OFFICE.

ETIENNE VERNY, OF RÉAUMONT, FRANCE.

LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 382,915, dated May 15, 1888.

Application filed November 10, 1887. Serial No. 254,834. (No model.)

To all whom it may concern:

Be it known that I, ETIENNE VERNY, of Réaumont, France, have invented certain new and useful Improvements in Lubricators, of which the following is a specification.

My invention relates to a new system of lubricating, of which a full and clear description will be given hereinafter.

My invention consists of employing granulated metal, such as iron or lead, the whole arranged within a journal-box in such a manner as will enable the metal in its granulated state to absorb the oil, and thereby regulate the distribution thereof on the rotary bearings.

In the drawings, Figure 1 represents a vertical section of the journal-box. Fig. 2 represents a plan view thereof.

Similar letters refer to similar parts throughout the drawings, in which—

A represents the openings leading into the chamber A', adapted to contain the granulated metal A², saturated with oil. The wall of the chamber A' is provided with a vertical opening, T, which will admit the granulated metal and oil to come in contact with a rotary shaft, the latter of which will by its movement cause the granulated metal to have a capillary action on the oil, and thus supply the lubri-

cant to the shaft constantly and in small quantities. After the granulated metal and oil shall have been placed in the chamber A' and a shaft in the journal-box, the cover C is then put on and the screw-nuts E mounted on the screw-threaded nipples H, which are of course integral with and forming a part of the walls of the chamber A'.

I do not confine myself to any particular size, for in some cases the journal-box will have to be very large, and a series of perforations similar to those indicated at T may be employed.

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

As means for lubricating rotary shafts, granulated metal saturated with oil, the whole placed within a chamber forming a part of a journal-box, and the chamber communicating with a rotary shaft within said journal-box.

In testimony whereof I hereunto sign my name, in the presence of two subscribing witnesses, this 2d day of September, 1887.

ETIENNE VERNY.

Witnesses:

JULES ROMAINE,
OSCAR HAASE.