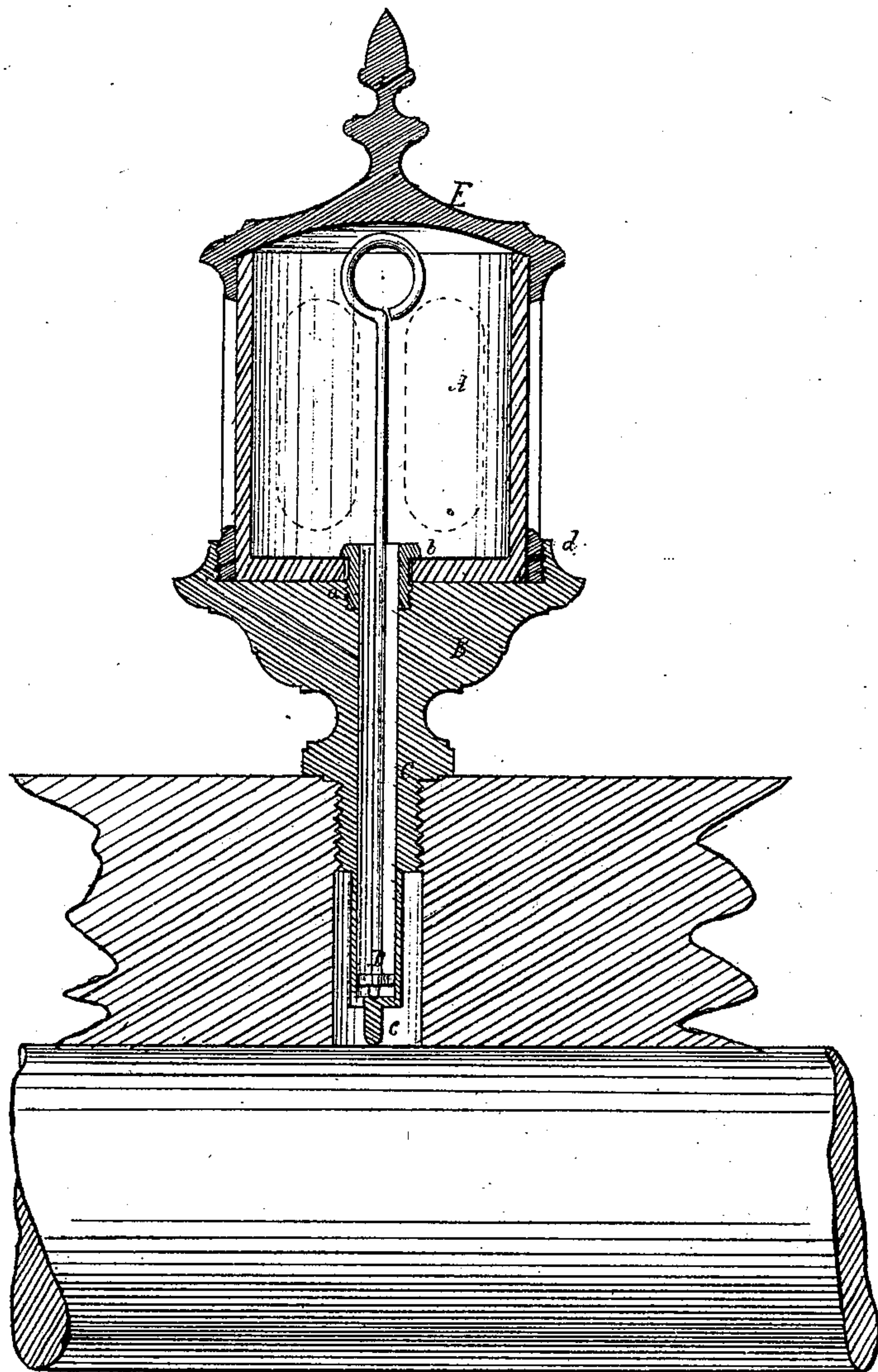


G. Gerdon,

Lubricator.

No. 102,391.

Patented Apr. 26. 1870.



Witnesses.

E. F. Kastenhuber
G. Mahler.

Inventor.

G. Gerdon.
By Vausaubron & Hauff
his attys

United States Patent Office.

GREGORY GERDOM, OF NEW YORK, N. Y.

Letters Patent No. 102,391, dated April 26, 1870.

IMPROVED LUBRICATOR.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, GREGORY GERDOM, of the city, county, and State of New York, have invented a new and improved Lubricator; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, which drawing represents a vertical central section.

This invention relates to an improvement in that class of lubricators in which a lubricating compound is used that sets at the ordinary temperature, and begins to melt and run down upon the surface to be lubricated whenever said surface begins to heat up.

My improvement consists in the arrangement of a reservoir made of glass, or any other transparent material, open on top, and fastened down upon a platform by a tubular central screw, in combination with an open protecting-cap, overlapping the reservoir, and secured in a screw-rim on the platform, and with a tube resting upon the bearing to be lubricated, in such a manner that the reservoir is protected by the cap against injury, and, at the same time, the contents of said reservoir can be observed, and, by the tubular central screw and tube, the temperature of the bearing is transmitted into the reservoir, and the lubricating material is caused to run down whenever it is required. To prevent the tube from clogging up a follower is fitted in the same.

In the drawing—

The letter A designates a reservoir, made of glass or any other transparent material, open on top, and provided with a hole in the center of its bottom to receive a tubular screw, *a*, which is tapped into the platform B, and provided with a head, *b*, so that, by means of said screw, the reservoir can be firmly secured to the platform B.

The tubular screw and the platform are made of brass or other good conductor of heat, and from the platform extends a tube, C, the upper part of which is provided with a screw-thread for the purpose of securing it in the axle-box, while its bottom end is furnished with a foot, *c*, which is intended to bear upon

the surface to be lubricated. If this surface begins to get warm, the heat is rapidly transmitted through the tube C and screw *a* to the interior of the reservoir, and the lubricating compound in said reservoir and in the tube C is thereby melted and caused to run down upon the surface to be lubricated. As long as this surface remains cold the lubricating compound contained in the tube C and in the reservoir sets, and none of it is wasted.

In order to keep a sufficient supply of the lubricating compound in the tube C, I have applied a follower, D, which is operated by means of a handle, so that, by its action, the required quantity of the lubricating compound can be forced down into the tube. This follower consists of a disk, provided with notches in its edges, so that it will not interrupt the flow of the melted lubricating compound from the reservoir to the surface to be lubricated.

The reservoir is protected by a cap, E, which is provided with a screw-thread at its bottom edge, to screw into a screw-rim, *d*, on the platform B, and which is perforated with large openings, so that the interior of the reservoir can be observed. By removing this cap ready access can be had to the interior of the reservoir for the purpose of cleaning the same, or to introduce a fresh supply of the lubricating compound.

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

1. The foot *c*, extending from the tube or shank C of the platform B, when combined with the headed screw *a*, reservoir A and cap E, substantially as set forth.

2. The lubricator herein shown and described, that is to say consisting of the protecting-cap E, platform B, headed screw *a*, tube C having foot *c* provided with an orifice for the passage of oil, and a follower D, substantially as herein shown and described.

This specification signed by me this 8th day of February, 1870.

GREGORY GERDOM.

Witnesses:

W. HAUFF.

E. F. KASTANHUBER.