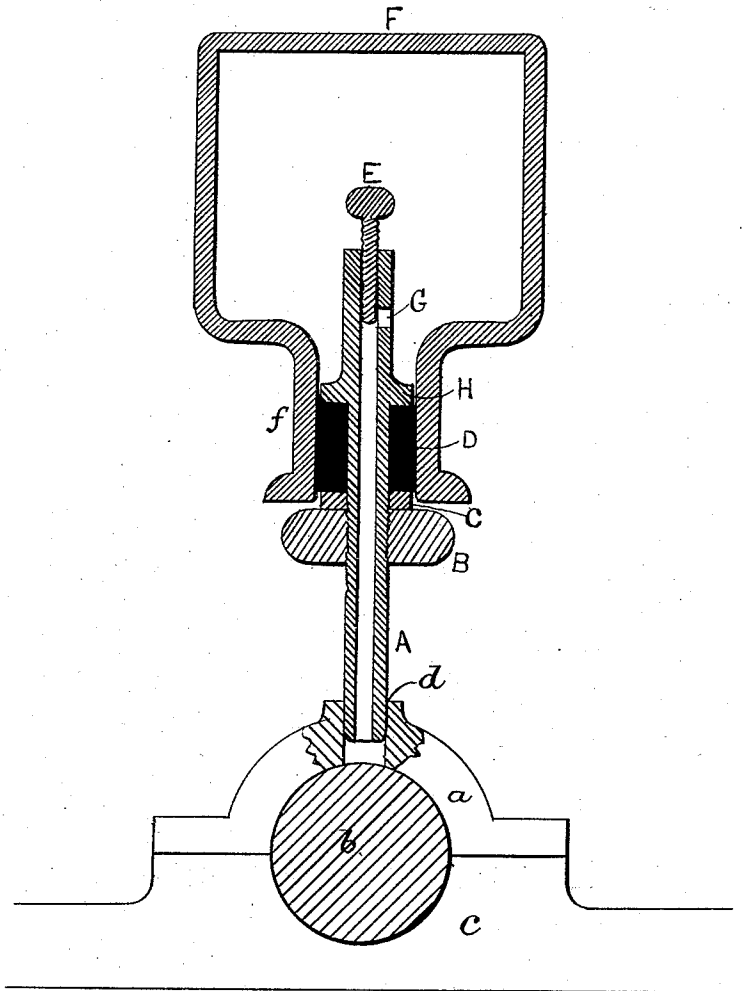


(No Model.)

W. M. GERMOND.
LUBRICATOR.

No. 267,074.

Patented Nov. 7, 1882.



Witnesses

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UNITED STATES PATENT OFFICE.

WALTER M. GERMOND, OF BALTIMORE, MARYLAND.

LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 267,074, dated November 7, 1882.

Application filed September 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, WALTER M. GERMOND, a citizen of the United States, residing in Baltimore, Maryland, have invented a new and useful Improvement in Lubricators, of which the following is a specification.

My invention relates to lubricators, and will be first fully described, and then particularly pointed out in the claims.

Referring to the accompanying drawing, which is a sectional view of my device in working position, A is a tube having a screw-thread cut on its exterior central portion. B is a milled hand-nut, interiorly threaded to engage the exterior threads on tube A. C is a washer. D is a cylinder of gum or cork. H is a rib or shoulder surrounding and forming part of tube A. E is a screw-valve working in the tube A. F is a bottle or other vessel, usually made of glass. *f* is the neck of bottle F. G is an opening in one side of tube A. *a* is the cap of a bearing, *c*, of a shaft, *b*, which cap has an opening or oil-hole, *d*.

The tube A is usually made of brass or other metal, and is furnished, as before stated, with a shoulder, H. The cork or gum cylinder D is placed on the tube, resting on said rib H. The washer C is now put on, after which the nut B is screwed down to the washer. The valve E is now adjusted so as to leave open any desired portion of the opening G. The tube thus adjusted is inserted into the neck *f* until the cork or gum reaches the neck. The nut B is now turned forcibly down against the washer, forcing it against the cork or gum, which, being prevented by the shoulder H from

moving longitudinally of the tube, is necessarily expanded laterally, thus tightly closing the neck *f*. The bottle and tube, being thus rigidly connected together, are now inverted (the bottle being filled with oil) and the point of the tube inserted in the opening *d* in the bearing of the shaft *b*, where it is allowed to remain until all the oil has been drained off, when it can be removed and refilled.

If by accident the bottle should be broken it can be replaced by another at a very small expense, no fitting or other expensive work being necessary.

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

1. The combination of the tube A, having rib H and exterior thread, with the cork or gum cylinder H and nut B, as set forth.

2. The bottle F, having neck *f*, in combination with tube A, having shoulder H and exterior thread, the cork or gum cylinder, and the nut B, as set forth.

3. In an automatic lubricator, an oil-reservoir, a cylindrical flexible packing, means for laterally expanding the same, a feed-tube, and means for regulating the oil-supply, all constructed and combined substantially as set forth.

In testimony whereof I have hereto subscribed my name.

WALTER M. GERMOND.

In presence of—

S. BRASHEARS,
AND W. B. M'LAUGHLIN.