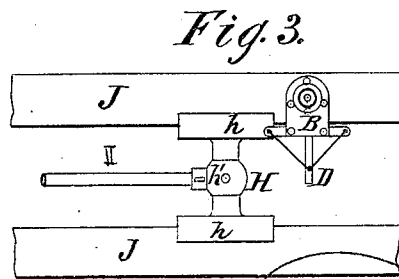
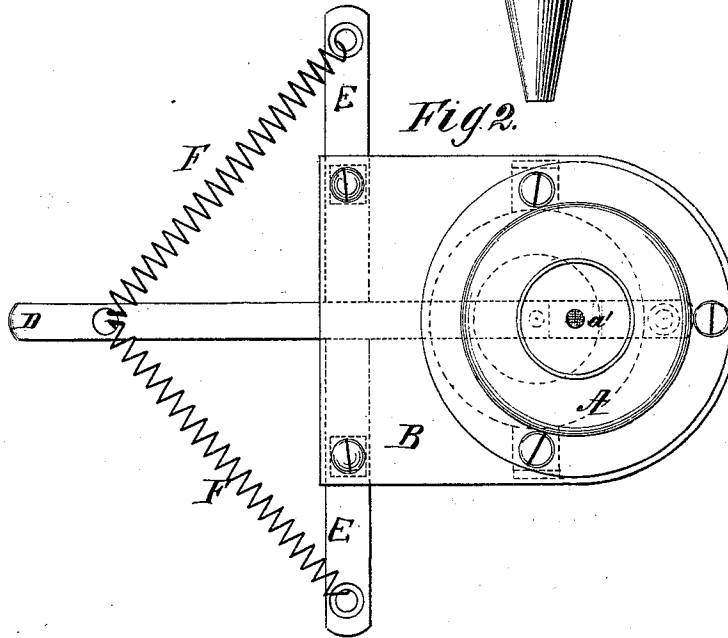
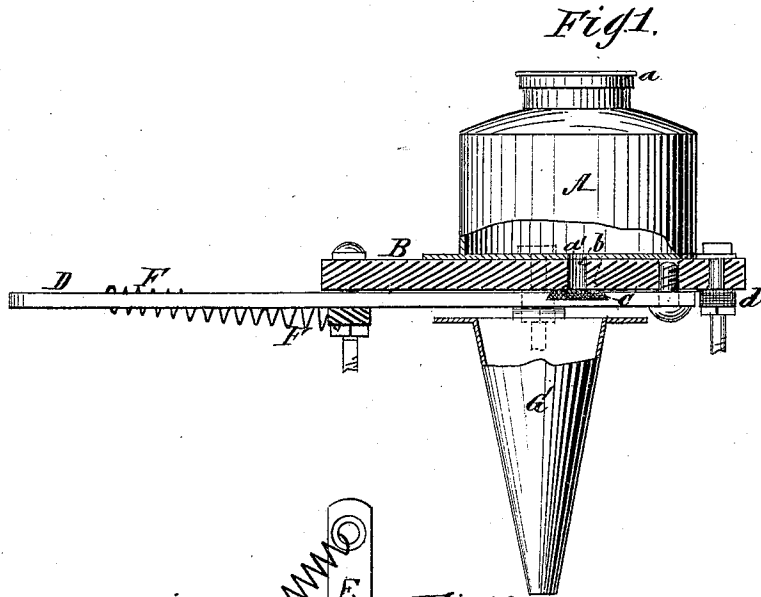


W. S. GILLEN.
Lubricators.

No. 148,206.

Patented March 3, 1874.



Witnesses:
G. Matthews
John A. Kemmer

Inventor:
Wm S. Gillen
Per *Wm S. Gillen*
Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM S. GILLEN, OF LEECHBURG, PENNSYLVANIA.

IMPROVEMENT IN LUBRICATORS.

Specification forming part of Letters Patent No. **148,206**, dated March 3, 1874; application filed February 7, 1874.

To all whom it may concern:

Be it known that I, WILLIAM S. GILLEN, of Leechburg, in the county of Armstrong and State of Pennsylvania, have invented a new and Improved Lubricator for Machinery; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a side elevation, partly in section. Fig. 2 is a plan view. Fig. 3 is a plan view, showing my invention applied to a cross-head and guides.

The invention relates to means for lubricating machinery by injecting upon the parts subject to friction, drops of oil or other liquid at stated, regular, and short intervals.

The invention will first be fully described, and then pointed out in the claim.

A represents an oil-reservoir, provided with a suitable cover, *a*, and hole *a'* in the bottom. It is rigidly attached to a subjacent plate, B, which has a hole, *b*, registering with the bottom hole *a'* of the reservoir. C is a valve attached to a lever, D, (pivoted at *d*), and cover-

ing the hole *b*, when the lever is held midway of the cross-bar E by its counterpoising-springs F F. G is a conducting conical spout or funnel, through which a drop of oil is let fall upon the part to be lubricated at every movement of the lever D. H *h* represent a slide attached to a reciprocating rod, I, and provided with a stud, *h'*. At every reciprocation of the cross-bar H *h* on the guides J J, the stud *h'* will strike the end of lever D, unclosethe valve, and allow a drop of oil to fall into that part of machinery subject to friction, and designed to be lubricated.

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

The combination of oil-reservoir A, having bottom hole *a'*, plate B, having hole *b*, the rigid cross-bar E, the springs F F, the lever D, and the conductor G, as and for the purpose described.

W. S. GILLEN.

Witnesses:

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