J. Ashcroft,

Lubricator.

No. 65,463. Patented June 4, 1867.

Fig: 1.

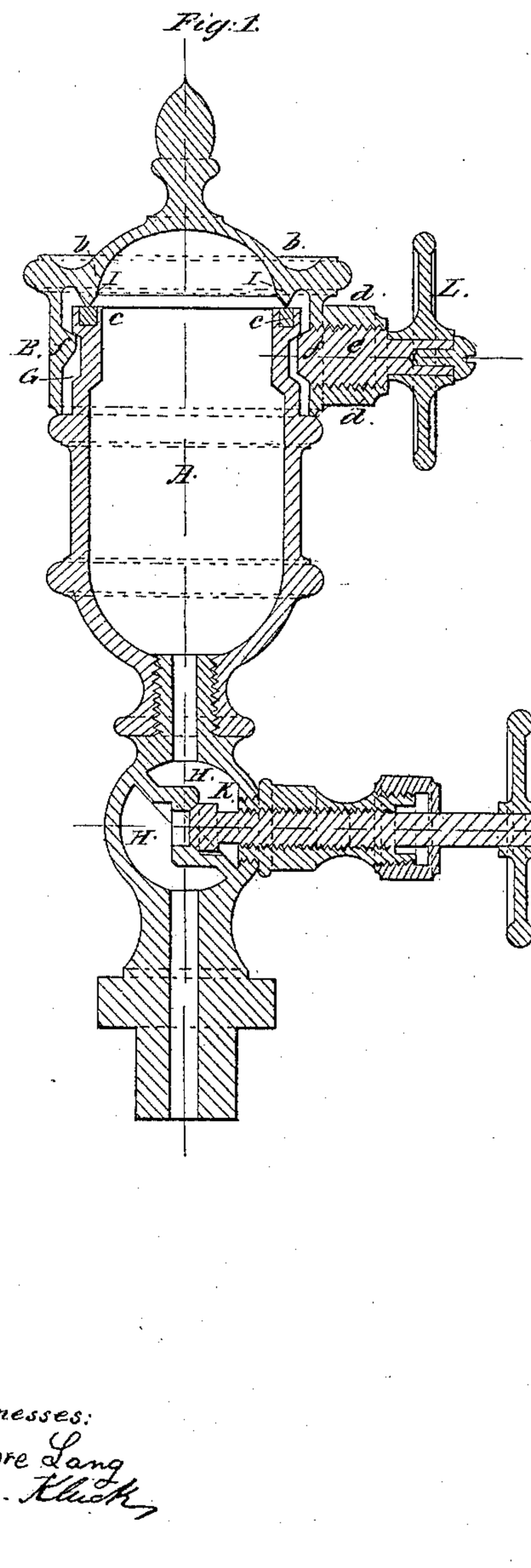
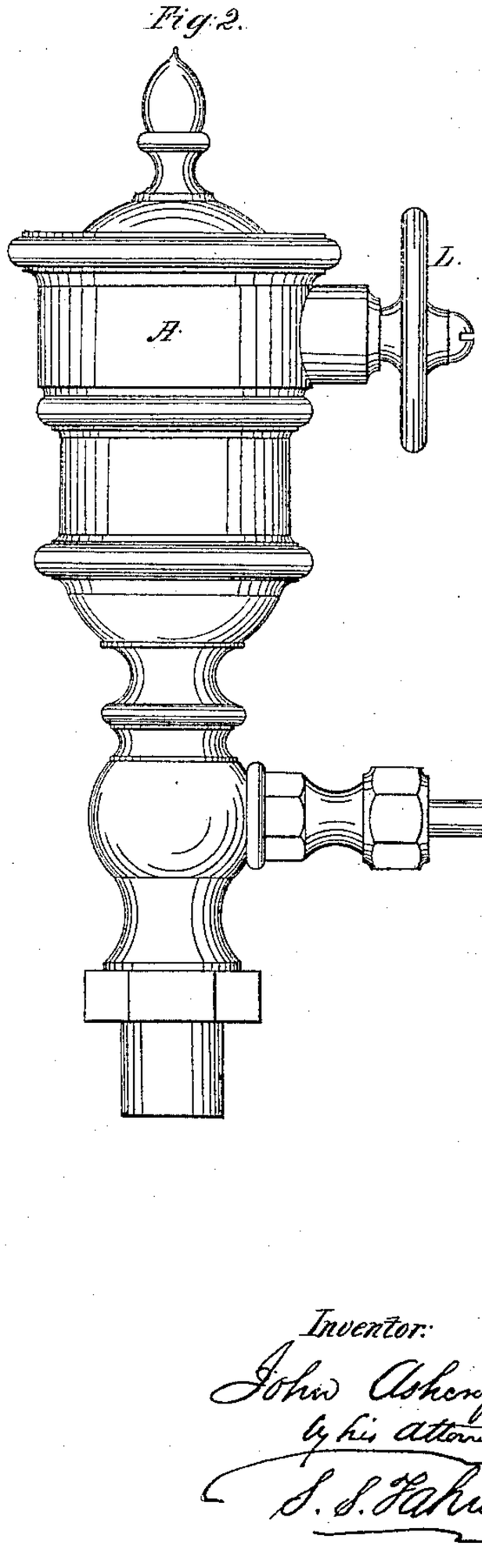


Fig: 2.



Witnesses:
Theodore Lang
A. C. Klieth

Inventor:
John Ashcroft
by his attorney
S. S. Fahnestock

United States Patent Office.

JOHN ASHCROFT, OF NEW YORK, N. Y.

Letters Patent No. 65,463, *dated June* 4, 1867.

IMPROVEMENT IN STEAM-ENGINE LUBRICATORS.

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, JOHN ASHCROFT, of New York, in the county and State of New York, have invented certain new and useful Improvements in Lubricators for Steam Engines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a vertical section of my improved lubricator; and

Figure 2, an elevation of the same.

The nature of my invention consists in so constructing a lubricator that the cover may, for convenience, be easily removed for the admission of oil or tallow, thereby saving time and trouble, as tallow cannot be used in the ordinary oil-cup, the openings being too small to admit, except in a molten state. To effect this object I so arrange the cover that it may be instantly removed and the full area of the cup exposed, and as readily replaced, forming a steam-joint, as shown in the drawings.

To enable others to make and use my invention, I will now proceed to describe my invention, its construction and operation, by reference to the accompanying drawings.

A H represents the interior of cup and valve-chamber, the valve K closing the steam passage when the cover is removed; B is the cover; *c c*, a ring of soft metal or India rubber, on which the conical flange *b b* seats itself, being held in place by the nib *f* and point of screw *f* on screw *e*, which fit into the recess G; *d d* is a boss cast on the cover, through which enters the screw *e*, provided with a wheel, L, on its outer end, by means of which the screw is rotated. When the cover is in place, and the wheel rotated from left to right, the point of screw *f* and nib *f*, acting upon the inclines, immediately above the recess G, causes the cover to be drawn down and the flange I to press tightly against the rubber or other packing C, forming a steam-tight joint. When the cover is to be removed, the wheel L is rotated in the opposite direction, releasing the nib *f* and point of screw *f*, and allowing them to pass over the projection at the top of the cup. The boss *d d*, by making the cover *b b* thick enough, can be screwed and swet in.

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

1. The lid or cover B, constructed and operating in the manner substantially as shown and described, and for the purpose set forth.

2. The combination of cover B and cup A constructed, arranged, and operating in the manner substantially as shown and described, and for the purpose set forth.

J. ASHCROFT.

Witnesses:

S. S. FAHNESTOCK,

THEODORE LANG.