(No Model.)

J. J. & J. Q. LEAVITT.

OILER.

No. 314,692. Patented Mar. 31, 1885.

Fig. 1.

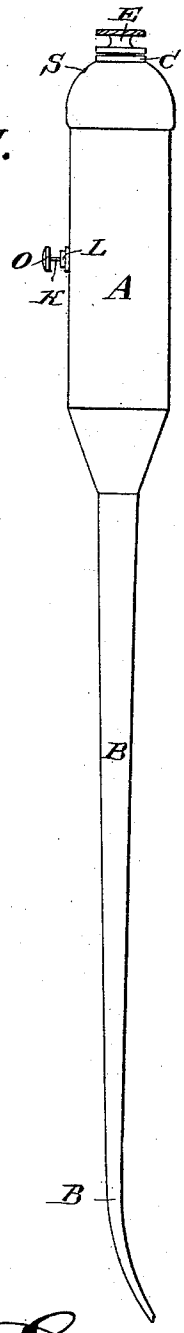
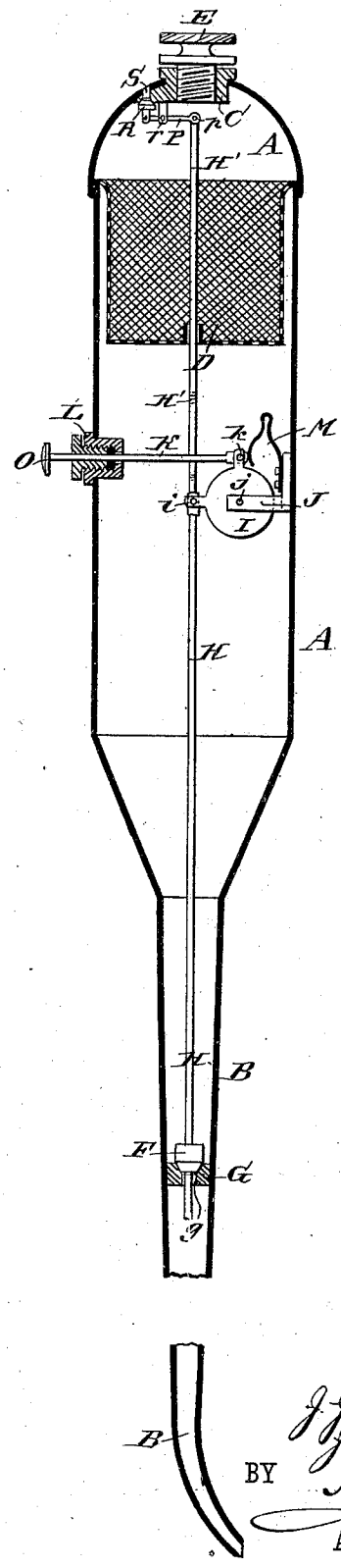


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN JULIAN LEAVITT AND JOHN QUINCY LEAVITT, OF SALT LAKE CITY, UTAH TERRITORY.

OILER.

SPECIFICATION forming part of Letters Patent No. 314,692, dated March 31, 1885.

Application filed November 7, 1884. (No model.)

To all whom it may concern:

Be it known that we, JOHN JULIAN LEAVITT and JOHN QUINCY LEAVITT, both of Salt Lake City, in the county of Salt Lake and Territory of Utah, have invented a new and Improved Oiler, of which the following is a full, clear, and exact description.

The principal object of our invention is to prevent waste of oil while oiling bearings or parts of locomotive-engines or other machinery.

The invention consists in the construction and arrangement of parts, as will be hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a side elevation of our improved oiler; and Fig. 2 is a central longitudinal sectional elevation of the oiler with the spout or nozzle partly broken away and drawn to a larger scale.

The letter A indicates the body of the oiler, and B its spout. A collar, C, is fitted to the head or back end of the oiler, through which collar the oil is poured into a strainer, D, through which it filters into the body A and spout B, and a plug, E, of any kind is screwed into or otherwise fitted to the collar C to close the filling-aperture.

The letter F indicates a valve which is seated on or in a plug, G, held in the spout B, and the plug has an orifice, *g*, through which the oil passes when the valve F is opened. The valve F is connected by a rod, H, with an arm or projection, *i*, of a disk, I, which is pivoted at *j* to an arm or support, J, fastened to the inside of the oiler, and the disk has another arm or projection, *k*, to which is attached the inner end of a rod, K, which extends outward through the side of the body A of the oiler and through a stuffing-box, L, of any approved kind held to the oiler. A spring, M, attached to the arm J or to the oiler-body, bears against the end of the rod K, or it may be the arm *k*, to turn the disk I and throw the rod H forward for closing the valve F to its seat. The disk I may be replaced by an ordinary bell-crank lever, pivoted at *j* to the arm J, and connecting at its ends with the rods H K, as will readily be understood. We extend the rod H backward past its point of connection at *i*, as at H′, which part H′ passes through the strainer D, and connects at *p* with one end of a lever, P, which is fulcrumed to a stud, *r*, fixed to the oiler-body or its cap, and has attached to its other end any suitable valve, as at R, which is adapted to close the vent-hole S, made in the oiler-body.

In using the oiler the head or button O of the rod K will be pressed inward by the thumb or a finger of the hand holding the oiler, which movement will carry the rod H H′ backward and open the valve F, and at the same time open the vent-valve R, so that the oil will flow from the spout or nozzle B, and on releasing the button O the spring M will instantly act to close both valves F R, and the flow of oil from the spout B will be cut off.

It is evident that no oil can escape from the spout until the button O is pressed inward, so that the oiler may be held nozzle downward without waste of the oil, and the nozzle can therefore be more leisurely and certainly directed to discharge the oil, and only so much as may be required, upon the part needing lubrication, and without spreading the oil over the adjacent surfaces or parts where it is not needed, and from which it must subsequently be wiped or removed; consequently our improved oiler is especially serviceable in lubricating the inner and not easily accessible bearings or parts of locomotive-engines or complicated machinery.

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

An oiler constructed with a valve, F, seated in its spout or nozzle, and said valve connecting by a rod, H, a disk or bell-crank, I, and a rod, K, with a push-button, O, and said rod H being extended, as at H′, and connected with the lever P, which carries the valve R, adapted to close the vent S, and a spring M, acting to throw the button outward and close the valves F and R, substantially as herein set forth.

JOHN JULIAN LEAVITT.
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Witnesses:
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