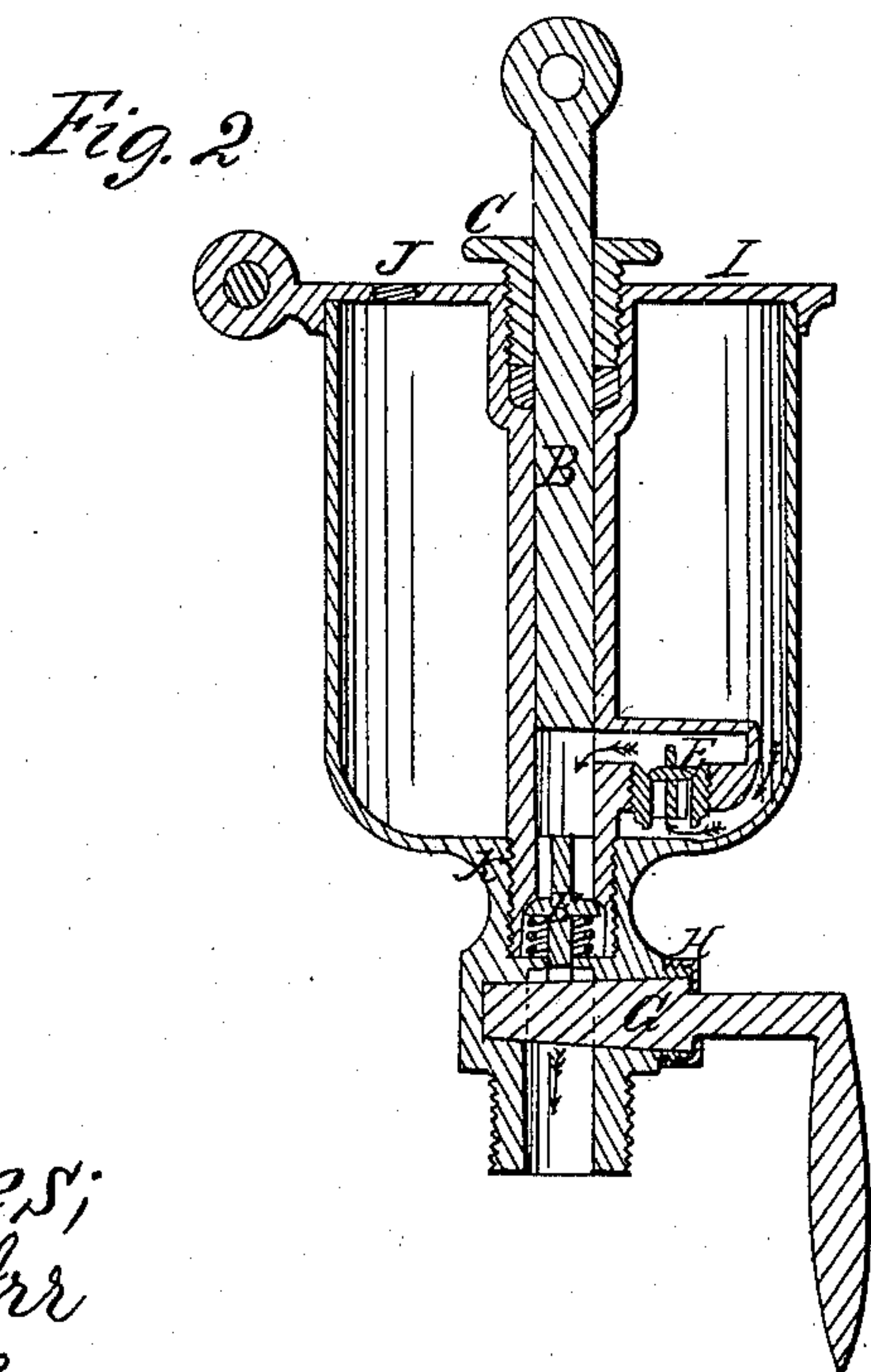
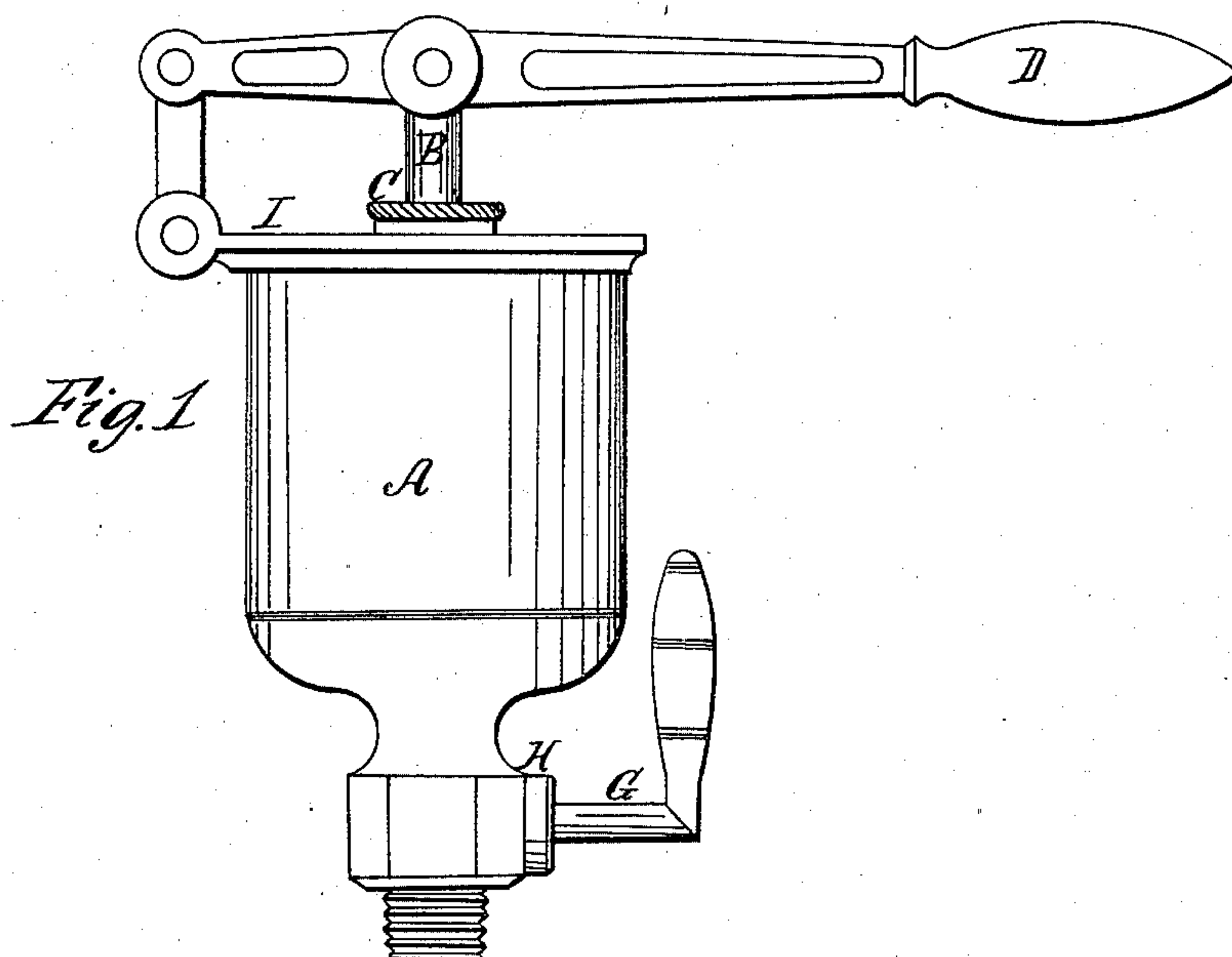


F. COLLIGON.  
STEAM ENGINE LUBRICATOR.

No. 66,462.

Patented July 9, 1867.



*Witnesses;*  
*George Orr*  
*James Sanger*

*Inventor;*  
*Frank Colligon*

# United States Patent Office.

FRANK COLLIGON, OF BUFFALO, NEW YORK.

*Letters Patent No. 66,462, dated July 9, 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, FRANK COLLIGON, of Buffalo, in the county of Erie, and in the State of New York, have invented certain new and useful Improvements in Lubricating Cups; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side elevation.

Figure 2 represents a vertical section through the centre of pump, cup, and cock.

The nature of my invention consists in the combination of a lubricating cup and pump, said pump being so arranged with the necessary valves, &c., that the oil or lubricating liquid may be drawn from the cup and forced into a cylinder, or other mechanism, against the pressure of steam, or other equivalent substance; and in the construction and arrangement of the pump, by which the top is made to answer for a cover to the lubricating cup, when said pump is screwed down in place. Also, in combining therewith a cock for the purpose of shutting off the pressure from the lubricator and pump, so that said pump may be taken off and repaired or cleaned while the pressure is on if necessary.

In the accompanying drawings, like letters represent like parts in figs. 1 and 2.

A represents the lubricating cup; B, the pump; C, the stuffing-box; and D, the handle for operating said pump. E represents the valve, through which the lubricating liquid is drawn into the pump; F, the valve through which it is forced from the pump into the cylinder or other mechanism. It is kept up in place, or shut, while the pressure is off by means of a spring, as shown in fig. 2. G represents the cock for shutting off the pressure when it is necessary to clean or repair the cup or pump. It is kept in place by the cap H, the arrangement of which is plainly shown in fig. 2. I represents the cover on the upper part of the pump, as shown. The pump is screwed down into the cap at the point K, which operation at the same time brings the cover I into its proper position. J, in fig. 2, is an opening for pouring oil into the cup. It is closed by a screw-plug or cap. The arrangement of the handle for operating the pump is clearly shown in the drawing, fig. 1. It is jointed to the flange I or cover, as shown.

I do not confine myself to any particular position of the pump, so long as it is in combination with and connected in its operations with the lubricating cup, as it may be placed outside of the cup, either in a horizontal or vertical position, without changing the nature of my invention.

Its operation will be readily understood by reference to fig. 2. A movement of the pump upward opens the valve E, and allows the oil or other liquid to flow from the lubricating cup in the direction of the arrows into the pump, and a downward movement closes said valve, and forces the oil or other liquid from said pump by opening the valve F in the direction of the arrows, as shown.

Having thus described my invention with sufficient clearness to enable others skilled in the art to make and use the same, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of a lubricating cup and pump, substantially as described.
2. In combination therewith, I claim the stop-cock G, as and for the purposes described.
3. The arrangement of the pump, with reference to the cover I, substantially as herein set forth.

Witnesses:

GEORGE IRR,

JAMES SANGSTER.

FRANK COLLIGON.