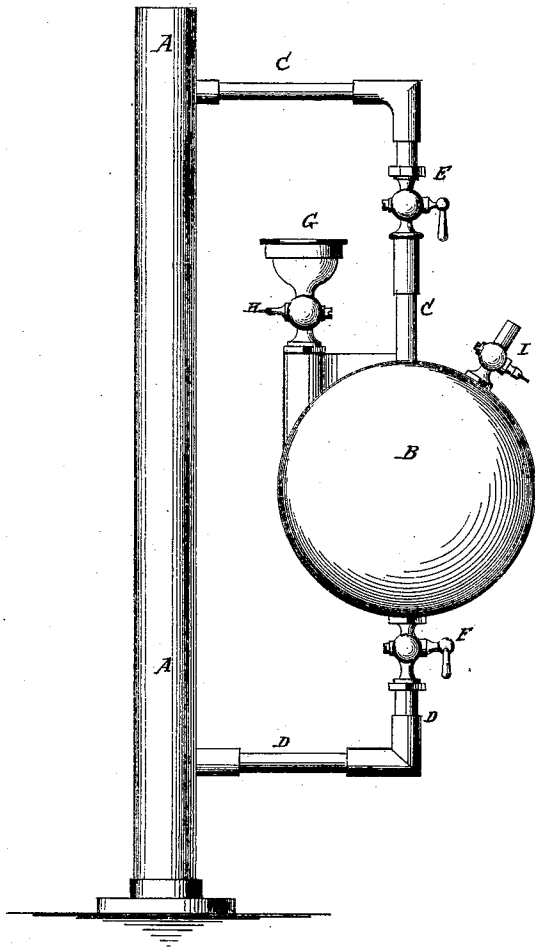


*M. Hinman,*

*Lubricator.*

*No. 110,040.*

*Patented Dec. 13, 1870.*



**Witnesses:**

*A. W. Almqvist*  
*L. S. Mabee*

**Inventor:**

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PER *Munn & Co*  
**Attorneys.**

# United States Patent Office.

MILAN HINMAN, OF WEST STOCKBRIDGE, MASSACHUSETTS, ASSIGNOR  
TO HIMSELF AND ROBERT M. STONE, OF DES MOINES, IOWA.

Letters Patent No. 110,040, dated December 13, 1870.

## IMPROVEMENT IN 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, MILAN HINMAN, of West Stockbridge, in the county of Berkshire and State of Massachusetts, have invented a new and useful Improvement in Oiler for the interior parts of steam engines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

The figure is a side view of my improved apparatus.

My invention has for its object to furnish an improved apparatus for introducing oil into the interior parts of an engine; oiling the throttle-valve, governor-valve, steam-chest, cylinder, and other parts not usually oiled, preventing the wear of said parts; and which shall be simple in construction, easily applied, and effective in operation; and

It consists in the construction and combination of the various parts of the apparatus as hereinafter more fully described.

A represents a steam-pipe.

B is an oil-reservoir, which I prefer to make globular in form, and which is connected with the steam-pipe A, by the small pipes C and D.

E and F are stop-cocks connected with the pipes C and D, respectively, to enable the passage of steam through the globe B to be regulated and controlled or prevented, as may be desired.

G is the oil-cup, through which the oil is introduced into the reservoir or receiver B, and which is provided with a stop-cock, H, to prevent the escape of steam through the oil-cup when the apparatus is being used.

The globe or oil-reservoir B is also provided with a stop-cock, I, to allow the air to escape while introducing oil into said globe B.

In using the apparatus the stop-cocks E and F are closed, and the stop-cocks H and I are opened.

Oil is then poured into the oil-cup G and runs into the globe B.

The stop-cocks H and I are then closed, and the stop-cock E fully and the stop-cock F partially opened. The steam thus enters the globe B through the pipe C, becomes saturated with oil, and escapes through the pipe D, which oil is thus introduced into all the interior parts of the engine, even those parts that cannot usually be oiled.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The oil-cup G, oil-reservoir B, pipes C D, and stop-cocks E F H I, combined as described, with the steam-pipe A, to furnish a small and absolutely steady stream of oil.

MILAN HINMAN.

Witnesses:

W. H. EDWARDS,  
WM. C. SPAULDING.