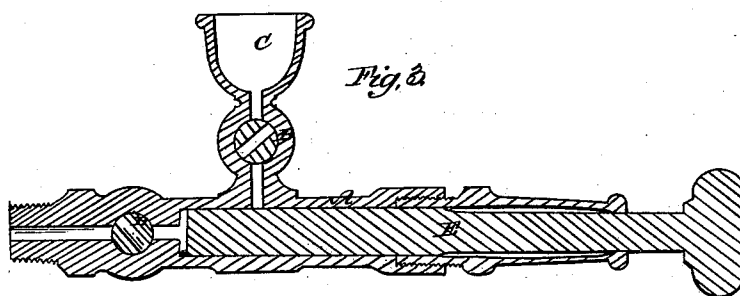
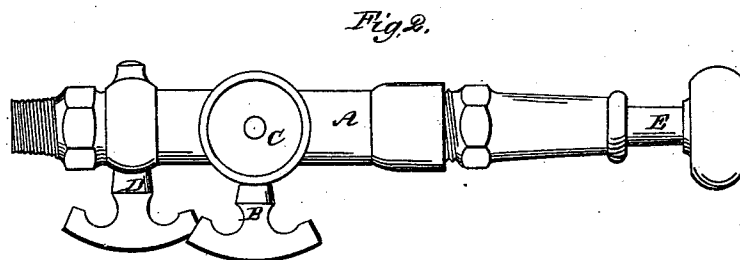
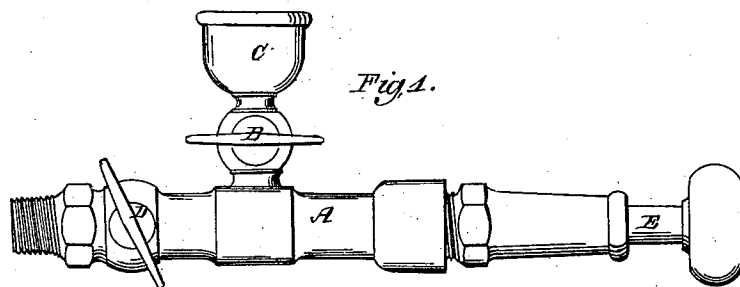


R. Brayton,
Lubricator.
N^o 84,853. Patented Dec. 15, 1868.



Witnesses.

J. B. Burdette
Frank S. Alden.

Inventor.
R. Brayton.

United States Patent Office.

ROBERT BRAYTON, OF FREMONT, OHIO.

Letters Patent No. 84,853, dated December 15, 1868.

IMPROVEMENT IN OIL-INJECTORS FOR STEAM AND OTHER ENGINERY.

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, ROBERT BRAYTON, of Fremont, in the county of Sandusky, and State of Ohio, have invented a certain new and improved Oil-Injector; and I do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side view of the injector.

Figure 2, a view of the top.

Figure 3, a longitudinal section.

Like letters of reference refer to like parts in the different views.

This invention is for the purpose of injecting oil into steam-chests, cylinders, and other places subject to a pressure of steam, which ordinarily is inaccessible to oil, its application being resisted by the activity of the steam.

In fig. 1, A represents a section of a pipe or barrel, in which is fitted a stop-cock, B, said cock being provided with an oil-cup, C, all of which is or may be constructed in the ordinary way.

D is a discharging-cock, fitted to the pipe in like manner.

In the pipe referred to is fitted a piston, E, it being made tight, or close-fitting, by a stuffing-box, F.

The outer end of said piston is provided with a knob, whereby it is operated as follows:

The end of the pipe is screwed into the chest, cylinder, or other desirable place.

The cup is now filled with oil, from which it is received into the tube, and by drawing out the piston, this creates a vacuum, into which the oil is forced from the cup, on turning the cock for that purpose. On filling the tube, the cup-cock is closed, and, in turn, the exhaust-cock opened. Now, on forcing back the piston, the oil will be driven into the chest, cylinder, or other working-part of the machine, without wasting the oil, which waste is quite large when applied in the ordinary way.

The advantages of this improvement are, the rapidity, certainty, and economy over the ordinary way of oiling, for, as ordinarily practised, not only is there a waste of oil, but an uncertainty in its application to the parts, causing thereby injury to the works, by cutting and friction, which, however, is avoided by the use of this injector, as all the oil is driven into the cylinder or other working-parts, without being expelled, or exposed to dust and dirt.

What I claim as my improvement, and desire to secure by Letters Patent, is—

The piston E, pipe or barrel A, oil-cup and cock C B, and discharging-cock D, when arranged and operating conjointly, substantially as set forth.

ROBERT BRAYTON.

Witnesses:

W. H. BURRIDGE,

FRANK S. ALDEN.