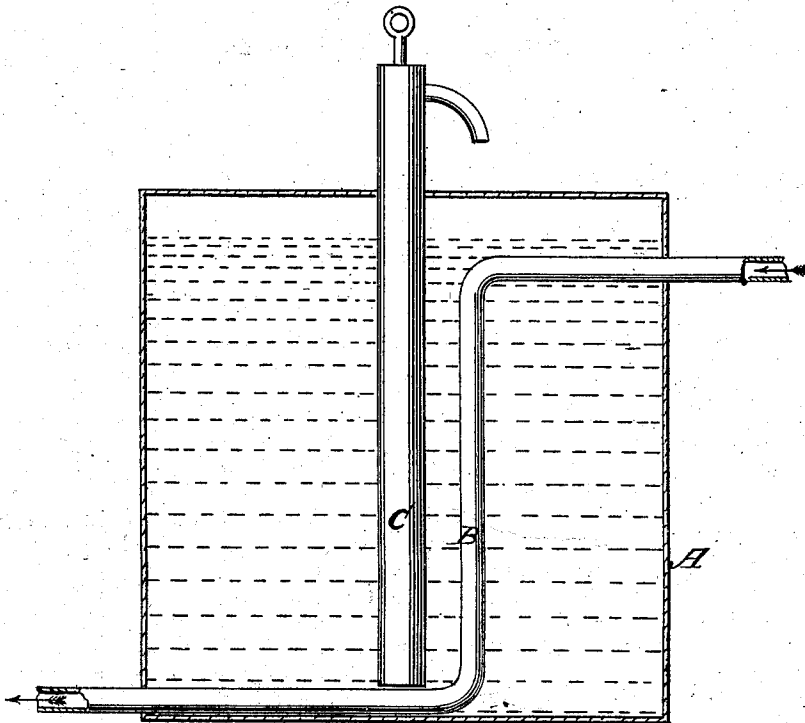


W. G. COWELL.
Oil-Cans.

No. 143,810.

Patented Oct. 21, 1873.



Witnesses.

E. Wolff
Sturgis

Inventor.

W. G. Cowell
Per *Munn & Co.*
Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM G. COWELL, OF WALLINGFORD, CONNECTICUT.

IMPROVEMENT IN OIL-CANS.

Specification forming part of Letters Patent No. **148,810**, dated October 21, 1873; application filed August 30, 1873.

To all whom it may concern:

Be it known that I, WILLIAM G. COWELL, of Wallingford, in the county of New Haven and State of Connecticut, have invented a new and Improved Heating Attachment to Oil-Cans, of which the following is a specification:

The invention consists in using a can to hold oil, a heater-pipe to keep it in a melted state, and a pump to discharge it from the can, all being combined to operate together.

The drawing is a sectional elevation of an oil-can with a heating-pipe attachment passing through it to conduct steam or other hot vapor or fluid in at the top and out at the bottom.

A is the can; B, the heating-pipe, and C the ejecting-pump. The pipe may connect at the upper end, by any suitable detachable connection, with the exhaust-pipe of a steam-engine, or with the hot feed-water pipe or a hot-air reservoir, so that it can be readily attached at any time to be heated—for instance, after using, to remain till wanted again; or it may be permanently connected, and the oil may be pumped in small quantities into another small can for use for oiling purposes.

The pipe may be coiled within or around outside of the can, or a jacket may surround the can wholly or in part, with pipe-connections to conduct the heating medium into and out of it. This plan is preferable to the ordinary method of setting the can on a stove to heat the oil, because it is liable to be overheated, and boil over onto the stove and burn, which causes a disagreeable smell.

I do not limit myself to any particular arrangement of the heating apparatus.

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

The combination, with an oil-can, of a pump, C, and pipe B, the latter entering near top, and passing down by the side of and under the pump C, as described, to maintain the oil in a state of sufficient fluidity to pass through and be discharged by said pump.

WILLIAM G. COWELL.

Witnesses:

R. H. COWLES,
W. J. LEAVENWORTH.