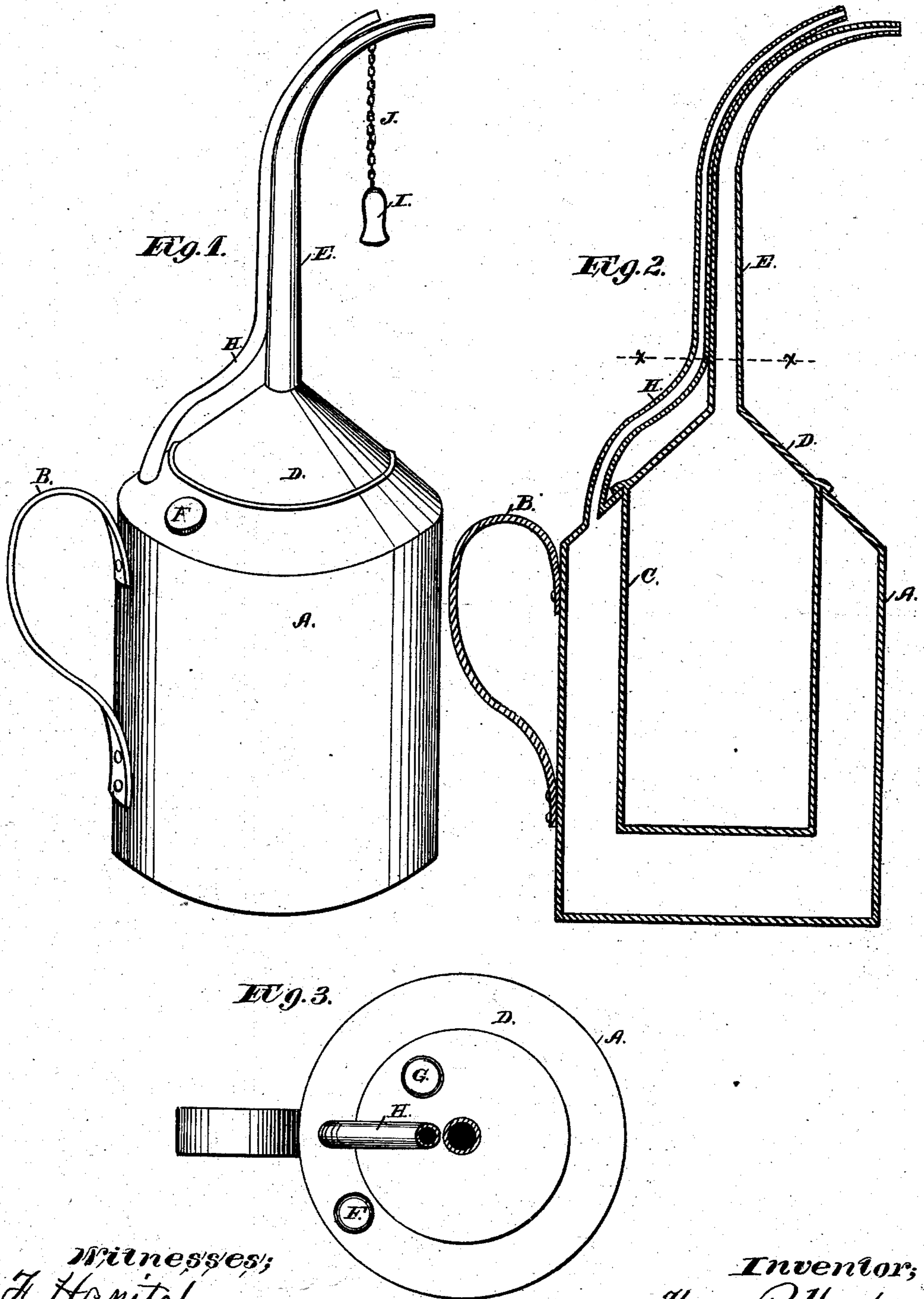


(No Model.)

H. P. HARSHMAN.
Oil Can for Lubricating.

No. 240,906.

Patented May 3, 1881.



Witnesses;
J. Hanitch
P. H. Gunkel

Inventor;
Henry P. Harshman
by Peck & Ritchie
his Attys;

UNITED STATES PATENT OFFICE.

HENRY P. HARSHMAN, OF OSBORN, OHIO.

OIL-CAN FOR LUBRICATING.

SPECIFICATION forming part of Letters Patent No. 240,906, dated May 3, 1881.

Application filed February 11, 1881. (No model.)

To all whom it may concern:

Be it known that I, HENRY P. HARSHMAN, of Osborn, in the county of Greene and State of Ohio, have invented certain new and useful Improvements in Oil-Cans for Lubricating; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an improvement in oil-cans for lubricating purposes.

My improved can consists, essentially, of an outer or surrounding vessel to contain heated water, and an inner vessel to contain the oil or other lubricant. A nozzle extends upward from the inner can, and serves as an outlet for the oil, and a small pipe extends from the water-chamber up and along the nozzle, and terminates near its mouth.

My object is to provide a lubricating-can adapted for especial use in cold weather, and in mills or other buildings containing machinery where it is the custom for one of the employes to go from place to place and from floor to floor with the can for the purpose of lubricating the various parts of the machinery. It is also designed for locomotive-engineers. As is well known, lubricating-oils in cold weather become thick and flow with great difficulty. With an ordinary can this congealing of the oil is very common, particularly when the can has to be carried into cold rooms or out-of-doors, and great difficulty is experienced in lubricating with them. With my can this is entirely remedied, as the hot water keeps the oil warm and in a liquid state for a considerable period of time, sufficient to enable the machinery of a large mill to be lubricated from one end of it to the other. Again, by the use of heated water, all danger from fire is avoided, as might occur if a lamp attached to the can were used to heat the oil.

The novelty of my invention consists in the construction of the device and the combination of its parts, as will be herewith set forth and specifically claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved lubricating-can. Fig. 2 is a central sectional view of

the same. Fig. 3 is a plan view through the line *xx* of Fig. 2.

A represents the outer sheet-metal can, which may be cylindrical in shape, with a suitable carrying-handle, B. Centrally secured within this outer can is the sheet-metal oil-can C, of such size that a space is left all around its sides and bottom, as shown. The tops of both cans form a cone, as represented, and the curved spout or nozzle E extends from the top or apex of the oil-can. Each vessel is provided with screw-cap plugs to secure the inlet-openings F G of the water and oil chambers, respectively; or, instead of these screw-caps, ordinary corks may be used.

A small tube or pipe, H, extends from the water-chamber up alongside of the oil-delivery spout, and terminates near its end, as shown.

A cap-cover, I, attached, by a chain, J, to either of the pipes H or E, is employed to fit over either of the ends of said pipes.

To use my improved can, the chamber A is partially or entirely filled with water, and oil is poured into the can C. The cap I is kept over the mouth of the spout E, except when in the act of lubricating. At such times it is transferred to the mouth of the pipe H. By now setting the device upon a stove or other heater the water is heated to the boiling-point, if desired, the pipe H affording an escape-vent for the steam, and at the same time keeping the spout E warm. When the water is heated the can is ready for use, and the heat of the water will retain the oil in a highly-liquid state for a long time.

In decanting the can while lubricating, the cap I, as aforesaid, being over the mouth of the pipe H, the water will flow into said pipe and thus keep it warm, so that the oil is kept positively heated until it leaves the mouth of the spout E.

The above construction provides a very simple and efficient lubricating-can, especially adapted for lubricating purposes in exposed places.

Having thus fully described my invention, I claim—

1. A lubricating-can composed of an inner oil-chamber and a surrounding hot-water chamber, said oil-chamber being provided with an outflow-spout, and said water-chamber being
5 provided with a pipe placed alongside of the oil-spout, substantially as and for the purpose specified.

2. The herein-described lubricating-can, composed of the chamber A, with its handle B,
10 the inner oil-chamber, C, with its spout E, the

pipe H, the vents F G, and the transferable cap I, the whole constructed and combined in the manner and for the purpose specified.

In testimony whereof I have hereunto set my hand.

HENRY P. HARSHMAN.

Witnesses :

PATRICK H. GUNCKEL,
CHAS. M. PECK.