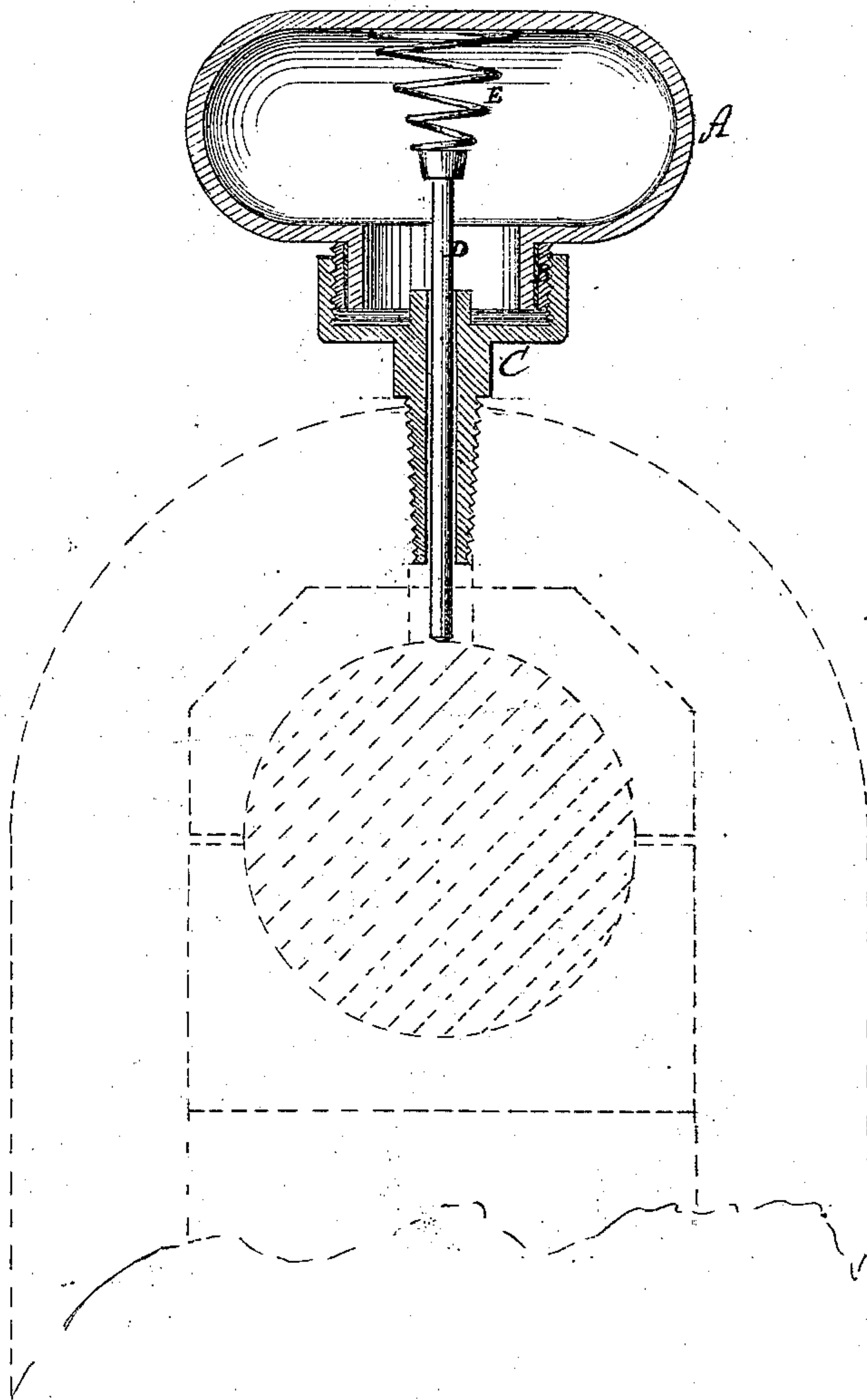


R. S. Hildreth,

Lubricator.

No. 98,655.

Patented Jan. 4. 1870.



Witnesses:

Wm. Brooks
E. Tate

Inventor:

R. S. Hildreth
PER *M. M. M.*
Attorneys.

United States Patent Office.

ROYAL S. HILDRETH, OF SOUTH ADAMS, ASSIGNOR TO HIMSELF AND
RUFUS B. RICHMOND, OF ADAMS, MASSACHUSETTS.

Letters Patent No. 98,655, dated January 4, 1870.

IMPROVED LUBRICATOR.

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, ROYAL S. HILDRETH, of South Adams, in the county Berkshire, and State of Massachusetts, have invented a new and useful Improvement in Lubricators; 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 drawings, forming part of this specification.

The object of this invention is to furnish a simple and cheap means for oiling or lubricating journals in all situations; and consists in the use of a spring within the oil-cup, in connection with an oiling-wire, so arranged that the wire shall be at all times pressed against the journal, in whatever position the oil-cup may be placed, as will be hereinafter more fully described.

The accompanying drawing represents a vertical section of the lubricator, as when in use, in a vertical position, the journal and journal-box being shown in dotted lines.

Similar letters of reference indicate corresponding parts.

A is the oil-cup, which is made of glass, or of other suitable material, with a metallic collar, B, cemented to the neck, on which collar is fitted a tubular screw-cap, C, as seen in the drawing.

D is an oiling-wire, which passes loosely through

the tubular cap, to the inner end of which there is attached a spiral spring, E.

The spring bears upon the bottom of the cup, and the outer end of the wire D bears on the journal.

The tube of the cap C is screwed into the box-cap, so that the oil, which flows through the tube around the wire, will be conducted by the wire to the journal.

The same result is produced when the cup is placed in a horizontal instead of a vertical position, or in any other position, so long as the oil in the cup rises above the end of the wire.

It will be readily seen that the wire and spring may be so adjusted that the end of the wire will press constantly against an uneven surface, as, for instance, for oiling a cam; but I design it more especially for journals of upright shafts, and for use generally where ordinary lubrication cannot be applied, or where they are only partially effective.

Having thus described my invention,

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

The combination of oil-cup A, collar B, cap C, spring E, and wire D, all arranged and fitted together as and for the purpose specified.

R. S. HILDRETH.

Witnesses:

R. B. RICHMOND,
J. A. FIELD.