

(No Model.)

E. W. RIDER.

OIL CAN.

No. 377,639.

Patented Feb. 7, 1888.

FIG. 1.

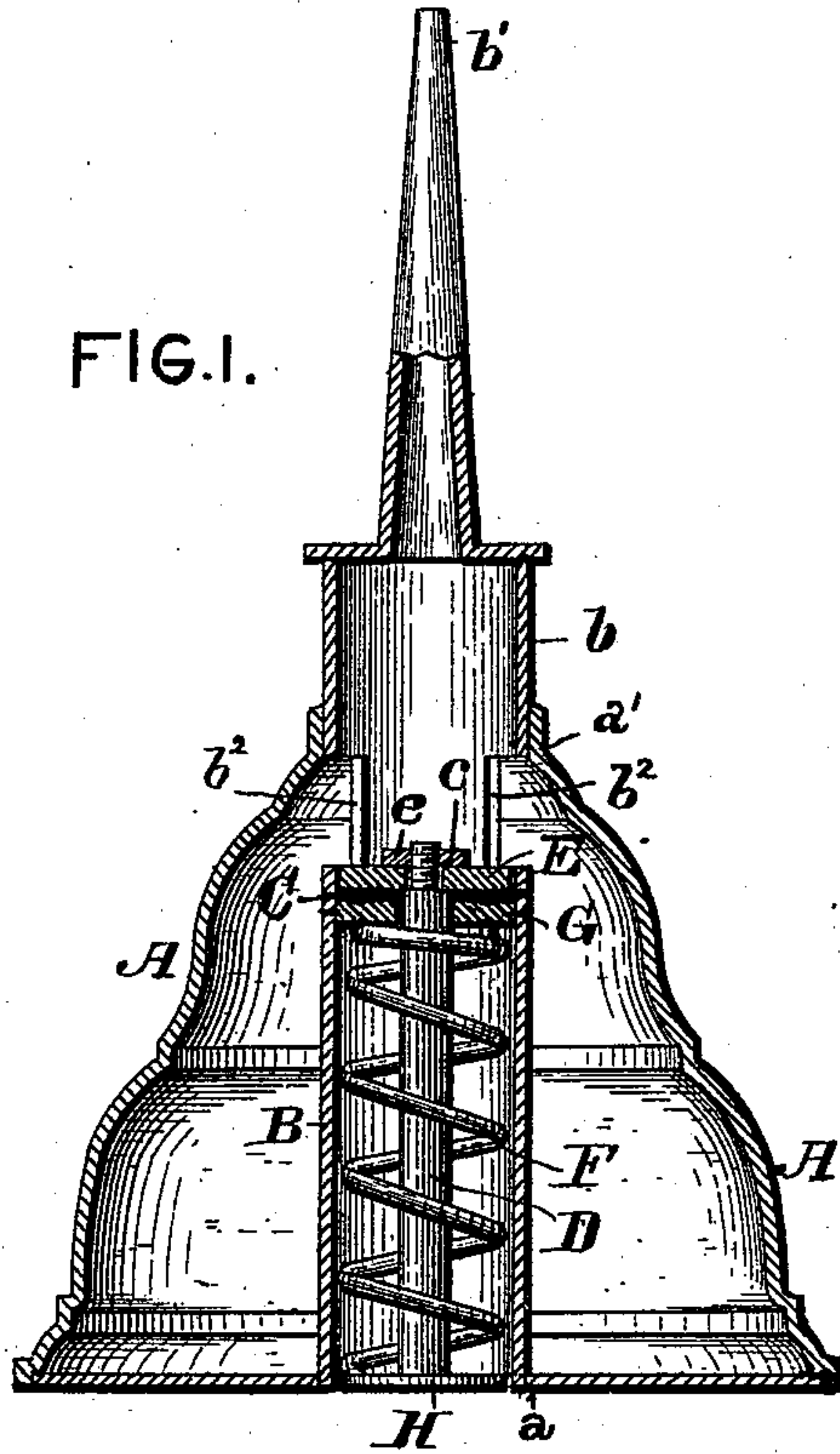
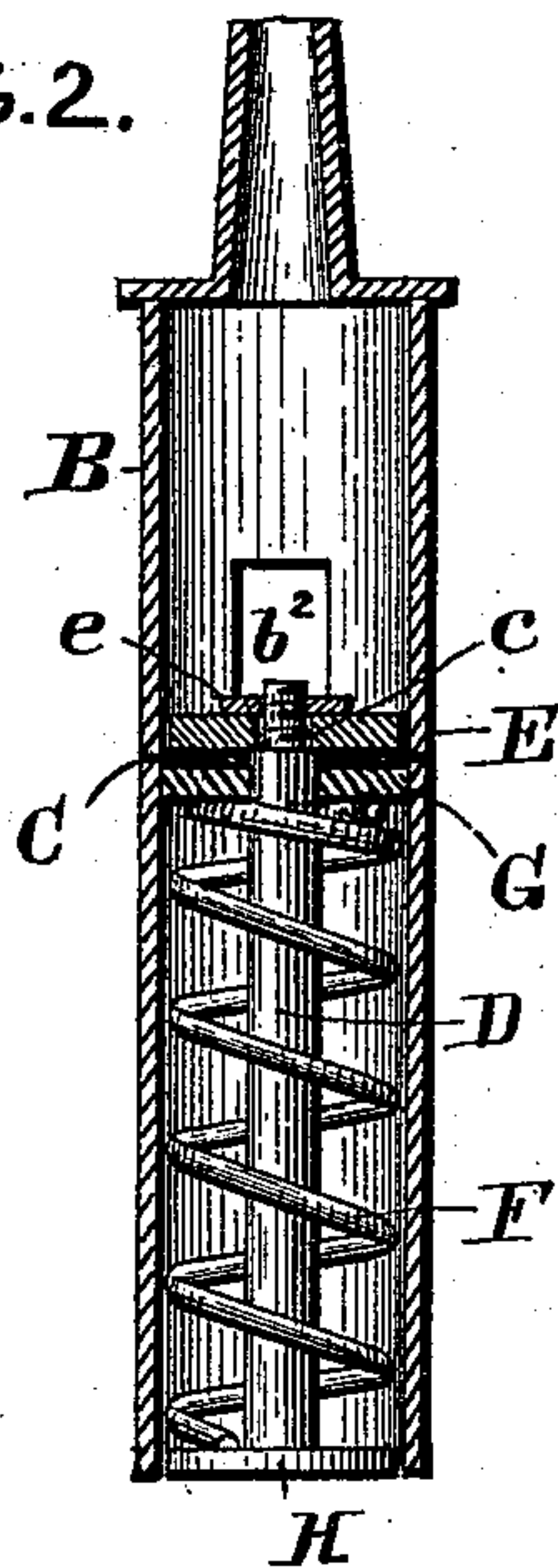


FIG. 2.



ATTEST.

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OIL-CAN.

SPECIFICATION forming part of Letters Patent No. 377,639, dated February 7, 1888.

Application filed June 14, 1887. Serial No. 241,275. (No model.)

To all whom it may concern:

Be it known that I, EBENEZER W. RIDER, a citizen of the United States, residing at Racine, in the county of Racine and State of Wisconsin, have invented certain new and useful Improvements in Oil-Cans; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to oil-cans; and it consists in the construction and arrangement of its several parts, as will be hereinafter fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a vertical central section of an oil-can with the present invention applied or attached; Fig. 2, a vertical central section of the inner or central tube detached.

In the drawings like letters refer to like parts.

The oil-can A is made in any usual or ordinary way, preferably in the generally conical shape shown in the drawings. Centrally fixed within it, in or over the aperture *a* in the bottom, is the tube B, its upper end, *b*, projecting above the top of the can and terminating in the nozzle *b'*. Just within the top *a'* of the can this tube has on either side a slot, *b''*, which extends down to the partition, diaphragm, or disk C, fixed within said tube about three-fifths (more or less) of the distance from the bottom of the can. This disk is centrally perforated at *c* to allow the insertion of the upper end of the plunger-rod D. On the screw-threaded end of this rod, which extends beyond the disk C, is secured by nut *e* the disk or piston-head E. On the rod D, near its upper end and fitting closely within the tube B, and so as to be pressed snugly under the disk C by the upper free and coiled end of the spring F, is the gasket or packing G. This spring is preferably spiral and wound round the stem of the plunger-rod and secured at its lower end to the button H. This button fits snugly within the lower end of the tube B, but yet so as to be freely moved up and down therein, and preferably so as to be about flush with the bottom of the can.

The operation of this device is as follows: Inverting the can and pressing the thumb upon the button H on its under side the plunger-rod D is moved upward, carrying with it the disk or piston-head E on its upper end. The oil from the interior of the can, having meanwhile flowed through the slots *b''* into the upper end of the tube, is, by the continued upward movement of the piston-head E, forced up and out of the nozzle.

It will be noticed that, since the slots *b''* extend close up to the inside top of the can, the very last drops of oil can be forced out of the can. By means of the washer or gasket or packing G any leakage at the point where the plunger-rod passes through the fixed partition will be almost completely prevented. By moving the button H up and down any desired amount of the oil in the can can be forced out of it, no matter how thick or cold it may be. The spring F will act to return the plunger-rod to its normal position whenever the pressure on the button H is removed.

Having now described my invention, what I consider new, and desire to secure by Letters Patent, is—

1. In combination with the oil-can A, having an apertured bottom, the central tube, B, slotted in each side at *b''* at a point just within the can-top and having the fixed partition C and the plunger-rod D, provided at its upper end with the piston-head E, and the spring F on said rod, substantially as shown and described.

2. An oil-can having an apertured bottom and a central internal tube slotted at its upper end, a fixed diaphragm or partition, and a plunger-rod having a packing thereon and provided at its upper end with a piston-head, and having a spring connected with it and bearing it downward, and moved upwardly by a button in the lower end of the tube, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

EBENEZER W. RIDER.

Witnesses:

JNO. W. KNIGHT,
JAS. W. PALMER.