(No Model.)

O. PIPER.

OIL CAN.

No. 429,951. Patented June 10, 1890.

Fig. 1.

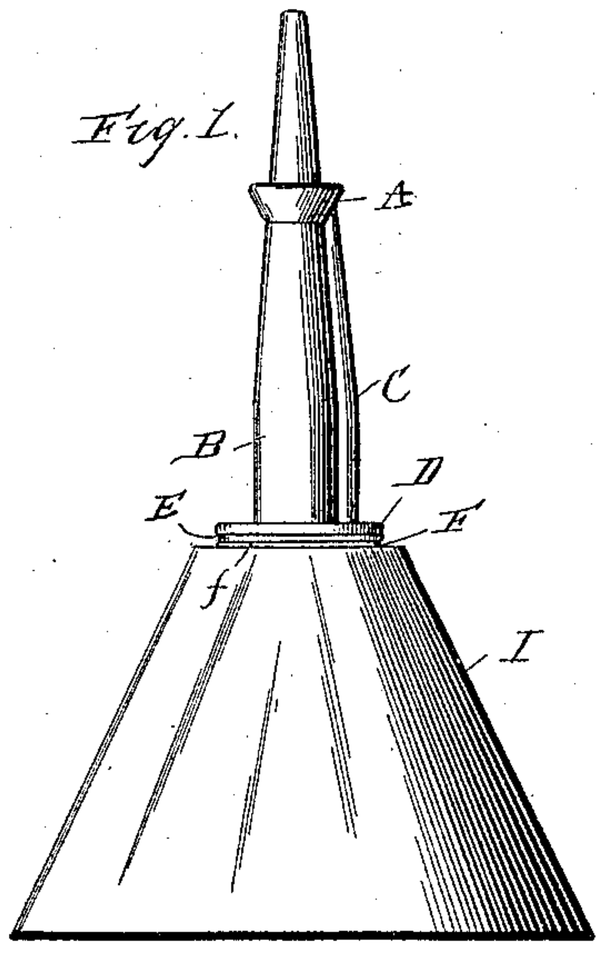


Fig. 2.

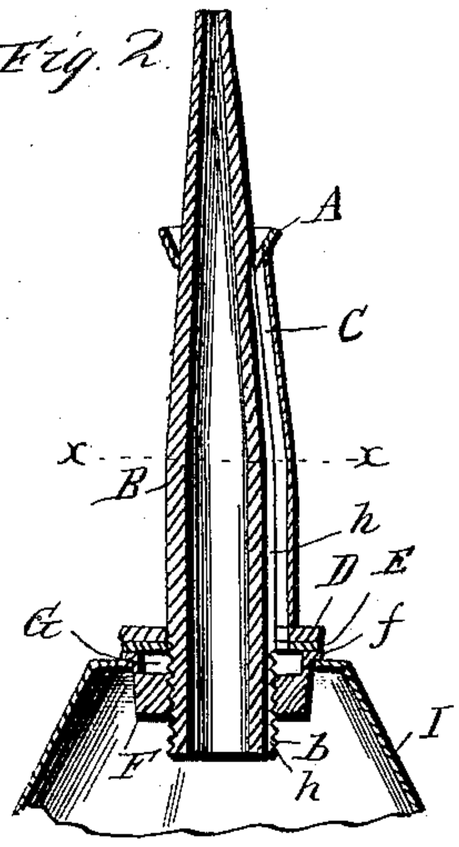
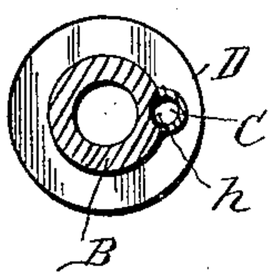


Fig 3.



Witnesses:
C. H. Raeder.
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His Attorneys

UNITED STATES PATENT OFFICE.

ORIN PIPER, OF MANCHESTER, NEW HAMPSHIRE, ASSIGNOR OF ONE-HALF TO AUGUSTUS P. HORNE, OF SAME PLACE.

OIL-CAN.

SPECIFICATION forming part of Letters Patent No. 429,951, dated June 10, 1890.

Application filed October 17, 1889. Serial No. 327,327. (No model.)

To all whom it may concern:

Be it known that I, ORIN PIPER, a citizen of the United States, residing at Manchester, in the county of Hillsborough and State of New Hampshire, have invented certain new and useful Improvements in Oil Cans and Tubes; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to hand lubricators or oilers which are used for oiling machinery.

The object of the invention is to simplify that class of oil-cans which have air vents and passages for returning the drippings to the can independent of the oil-passage, and which will maintain a free flow of oil without pressure on any part of the can, and perfect ventilation of air to take the place of displaced oil.

The improvement consists of the novel features which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a side view of an oil-can embodying my invention. Fig. 2 is a vertical central sectional view of the invention, the lower part of the oil-can being broken away. Fig. 3 is a cross-section on the line X X of Fig. 1.

The oil-can I is of ordinary shape and required size, and is provided with the internally-threaded collar F, which receives the threaded shank *b* of the nozzle B. The vertical flange *f* around the outer edge of the collar forms, with the outer flange D on the nozzle B, an oil-chamber G around the shank *b* of the said nozzle B. E is packing between the flange D and the upper edge of collar *f*. The drip-cup A, near the outer end or any part of the tube of the nozzle, is connected with this oil-chamber G by the passage C on the side of the nozzle. This passage may be drilled through a thickened portion of the nozzle; but it is preferably formed by grooving the side of the nozzle and capping it over.

A shallow groove *h* is formed in the threaded shank of the nozzle, through which air and the drippings pass from the oil or air chamber G to the interior of the can. This groove *h* may be cut in any part of the shank or in the threaded portion of the collar, whereby a passage is formed between the oil or air chamber and the interior of the oil-can, and is sufficiently large to give free vent, but not so large as to allow a quick passage of oil or air. By this form of construction there is little chance for the animal matter in the oil to obstruct the vent, and if this should occur it might be readily cleared by unscrewing the nozzle and blowing through or probing passage C. The passage *h* allows the proper amount of air to enter the can, and permits the passage of the oil from the chamber G into the can.

By the usual methods of ventilation, where the vent protrudes into the oil-can, the said vent becomes easily clogged and cannot be readily cleaned; hence the cans in a comparatively short time become practically worthless.

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

The combination, with the can and the collar F, internally threaded and having the vertical flange *f*, of the nozzle B, having the flange D, which overlaps the flange *f*, forming chamber G, and having the groove *h* in its threaded shank, the drip-cup A, and the side passage C, leading from cup A to chamber G, substantially as and for the purpose described.

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

ORIN PIPER.

Witnesses:
JAMES P. TUTTLE,
N. H. WILSON.