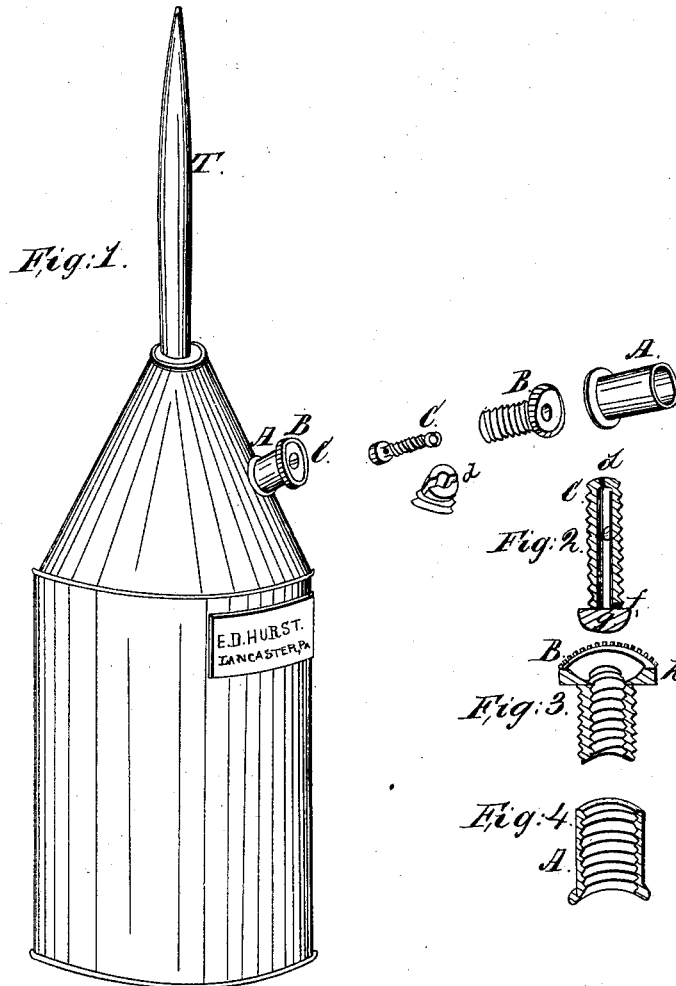


E. D. Hurst,

Oil Can.

N^o 45,610.

Patented Dec. 27, 1864.



Witnesses:

Jm B. Wiley
Jacob Hauffer

Inventor:

Edm D. Hurst

UNITED STATES PATENT OFFICE.

ELAM D. HURST, OF LANCASTER, PENNSYLVANIA.

IMPROVEMENT IN OIL-CANS.

Specification forming part of Letters Patent No. 45,610, dated December 27, 1864.

To all whom it may concern:

Be it known that I, ELAM D. HURST, of Lancaster city, in the county of Lancaster and State of Pennsylvania, have invented a new and improved adjustable vent for regulating the flow of oil in cans used for oiling machinery; and I do hereby declare that the following is a full and correct description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a view of the can, with its several parts in place, lettered A B C, shown separately by C B A. Figs. 2, 3, and 4 show a vertical section of each, cut through the center.

The nature or object of my invention is to have an oil-can for oiling the machinery in a factory or elsewhere which can be adjusted at pleasure so as to increase or diminish the flow of the oil, as may be desirable, (some parts of machinery requiring more or less oil,) in such a manner that it may be permanently fixed when the proper flow is obtained for certain parts, and again changed at pleasure, or the vent entirely closed, so as to exclude air altogether, if desired. To accomplish this desirable object, I will briefly explain the several parts, shown and readily comprehended by inspecting the sections.

The inner screw, C, has a tube, *e*, Fig. 2, which has a lateral opening, *f*, through which air is admitted into the can within the neck as said tube *e* is open at its external end, which is also slotted across, (shown at *d*,) for operating it with a screw-driver, within the bell or dish-shaped opening on the double screw-tube B, Fig. 3. The tubular screw C has a head, *g*, on its inner end, and is necessarily inserted into the lower end of the double screw-piece B. Said piece B has a screw-thread on its in-

ner face or opening for the reception of the air-tube and screw C, (the head portion being countersunk or cup-shaped, with a milled flange-rim, *h*,) having also a screw-thread on its outer cylindrical surface, by which it is screwed into the neck-piece A, Fig. 4, which latter is soldered to the can and forms a part of it.

To use my invention, it is only necessary to insert the air-tube C by its slotted end *d* into the inner opening or end of B, so as to come within the bell or dish shaped opening in the head *h*, when the double screw B, with C, are inserted or screwed into the neck A, which, of course, has a corresponding thread to receive it. This is the position shown in Fig. 1. Thus placed, all that is required is to sink or raise the inner tubular screw so as to admit more or less air to regulate the flow. This is easily accomplished by means of a screw-driver adapted to the purpose. I have tested this arrangement and find it in every way highly satisfactory, and to furnish a great desideratum for oiling all kinds of machinery, not liable to get out of repair, easily managed, and adapted to regulating the flow of oil to the nicest precision.

I do not claim the can with its tube T and screw-neck piece A, as such are common.

What I claim as my invention, and desire to secure by Letters Patent, is—

The construction of the inner screw-tube, C, with its lateral opening *f* and head *g*, in combination with the double screw B, for its reception and operation within the neck A of the oil-can, substantially arranged in the manner and for the purpose specified.

ELAM D. HURST.

Witnesses:

WM. B. WILEY,
JACOB STAUFFER.