(No Model.)

T. C. CHALK.

Oil Can Spout.

No. 237,817. Patented Feb. 15, 1881.

Fig. 1.

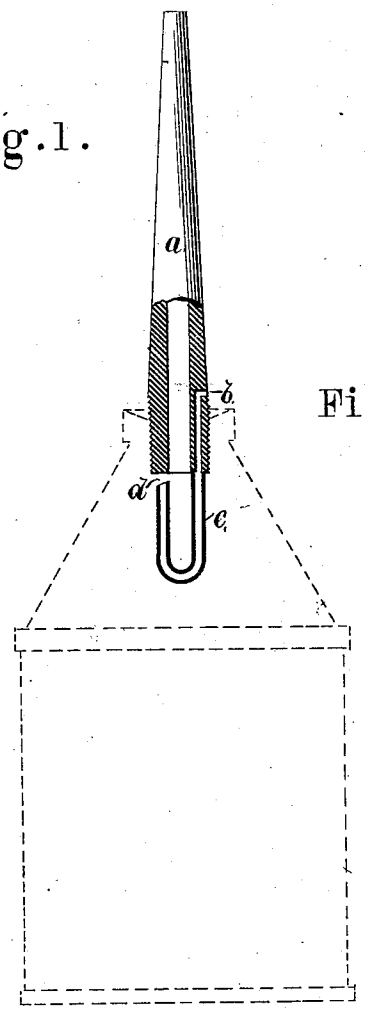


Fig. 2.

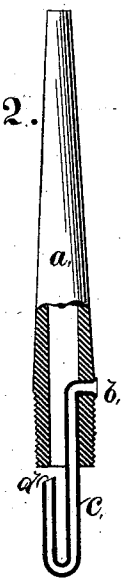


Fig. 3.

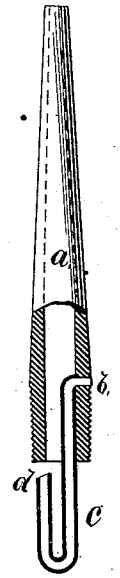
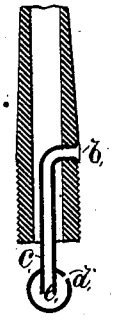


Fig. 4.



WITNESSES:

Joseph A. Miller Jr

Henry J. Miller

INVENTOR:

Timothy C. Chalk

by Joseph A Miller

Atty

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

TIMOTHY C. CHALK, OF VALLEY FALLS, RHODE ISLAND.

OIL-CAN SPOUT.

SPECIFICATION forming part of Letters Patent No. 237,817, dated February 15, 1881.

Application filed June 24, 1880. (No model.)

To all whom it may concern:

Be it known that I, TIMOTHY C. CHALK, of Valley Falls, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Oil-Can Spouts; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

The object of this invention is to facilitate the flow of oil from the spout of an oil-can by admitting a small quantity of air to the interior of the oil-can.

My invention consists in an oil-can embodying certain features of construction, as will hereinafter be described, and pointed out in the claim.

Figure 1 is a view of an oil-spout, shown partly in section, the oil-can being shown in broken lines, and shows the spout provided with an air-inlet above the can and a U-shaped tube connecting with the air-inlet, the air-outlet being close to the tube in the spout. Figs. 2 and 3 show modifications for connecting the U-shaped tube with the air-inlet, the air-exit being near the entrance to the spout. Fig. 4 is a sectional view of part of a spout provided with an air-inlet tube the end of which connects with a hollow sphere in which a small air-outlet is provided.

In the drawings, *a* represents the spout of an oil-can; *b*, the air-inlet, located above the screw-threaded portion of the spout; and *c*, the tube, communicating at one end with the air-inlet *b*, and extending below the lower end of the spout, and then formed into a return-bend, the air-outlet *d* being located in close proximity to the oil-inlet of the spout. The bent tube *c* is bent so as to occupy less space than the diameter of the spout, and thus be adapted for ready insertion in the oil-can. As the can is tipped up for discharging oil air flows into the can, it being discharged in line with the flow of the oil, and as the oil forms a current from the open end of tube *c* the oil has a tendency to draw the air into the can, and, further, the tube is prevented from filling with oil, this latter result being effected owing to the current of oil flowing in the same direction as the discharge of air from the tube *c*.

e is a bulb or hollow sphere, secured to the tube *c*. It is provided with the air-outlet *d*, as shown in Fig. 4. By the use of the bulb *e* or the U-shaped tube *c* the air-outlet is protected against the entrance of oil, and by placing the air-tube into the spout the whole can be readily removed by removing the spout.

The peculiar construction insures durability, economy in construction, and efficiency.

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

The combination, with an oil-can, of an oil-can spout having an air-inlet located above its screw-threaded portion and an air-tube communicating at one end with said air-inlet, the opposite end of the tube being formed into a return-bend occupying less space than the diameter of the spout, the extreme end of the tube being located in close proximity to the inlet of the spout, substantially as set forth.

T. C. CHALK.

Witnesses:
JOSEPH A. MILLER,
J. A. MILLER, Jr.