

(No Model.)

H. H. THIELLESEN.  
OIL CAN.

No. 479,318.

Patented July 19, 1892.

Fig. 1.

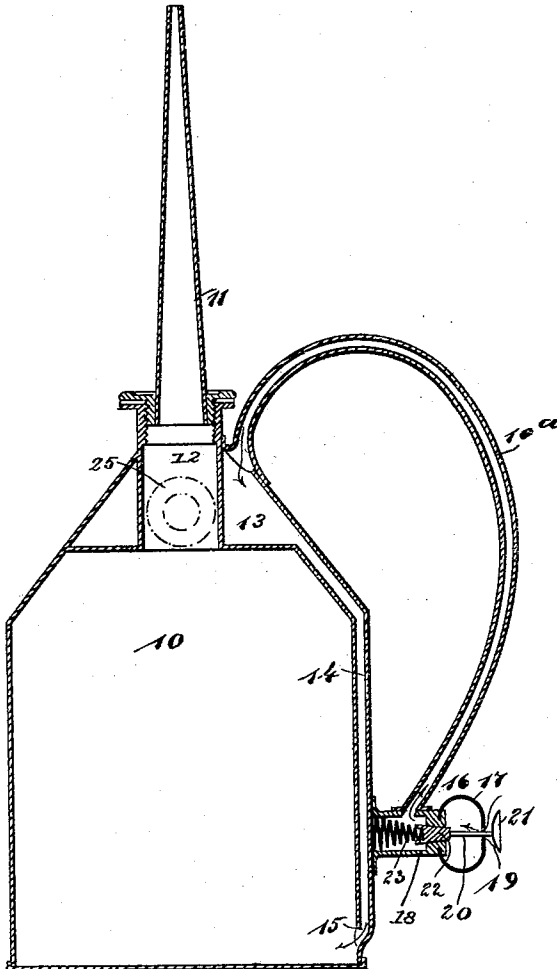
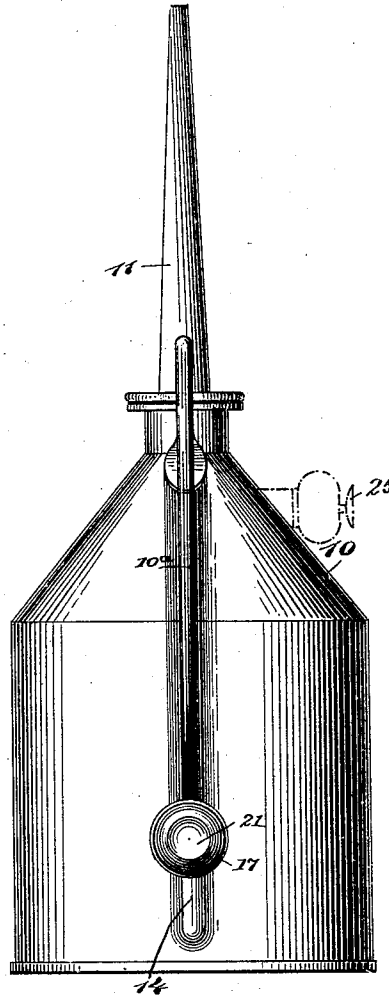


Fig 2.



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# UNITED STATES PATENT OFFICE.

HANS H. THIELLESEN, OF CUSTER CITY, SOUTH DAKOTA.

## OIL-CAN.

SPECIFICATION forming part of Letters Patent No. 479,318, dated July 19, 1892.

Application filed November 12, 1891. Serial No. 411,677. (No model.)

*To all whom it may concern:*

Be it known that I, HANS H. THIELLESEN, of Custer City, in the county of Custer and State of South Dakota, have invented a new and Improved Oil-Can, of which the following is a full, clear, and exact description.

My invention relates to improvements in oil-cans such as are used for applying oil to machinery of various kinds; and the object of my invention is to produce a simple oil-can which is constructed in such a manner that an air-pressure may be applied to the oil, so as to force the same from the discharge-nozzle with considerable velocity, and thus facilitate the easy application of oil to any part of the machinery.

To this end my invention consists in an oil-can, the construction of which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in both views.

Figure 1 is a vertical section of the oil-can embodying my invention, and Fig. 2 is a side elevation of the same.

The oil-can 10 is of the usual form and is provided with a hollow handle 10<sup>a</sup>, and has also the usual detachable discharge-nozzle 11, which is screwed into the top of the oil-can in the usual manner. In the top of the can and forming, practically, a continuation of the discharge-nozzle is a pipe 12, which is surrounded by an air-chamber 13, which is closed tightly and which connects with a channel 14, which leads downward on one side of the can, and this channel opens at 15 into the bottom portion of the can, so that when any pressure of air is produced in the chamber or channel the air must necessarily escape through the opening 15, and it will force the oil outward through the nozzle 11.

The air-pressure is produced by a simple form of compressor 16, which consists, essentially, of the flattened flexible ball 17 and the mechanism for compressing the ball. This ball 17 is supported on a case 18, which is secured to the outer wall of the can opposite the channel 14, and is connected with the lower portion of the hollow handle 10<sup>a</sup>. The

ball 17 has on its outer side an aperture 19, through which the piston 20 extends, and this piston terminates at its outer end in the thumb-piece 21, which is convex on its inner side and is adapted to close the aperture 19.

The inner end of the piston 20 is secured to a plug 22, which extends into the case 18, and the plug is normally pressed outward, so as to fit closely in the opening of the case 18, by a spiral spring 23, which is contained in the case 18 and the outer end of which fits a socket in the plug 22.

By pressing upon the thumb-piece 21 the ball 17 is collapsed and the plug 22 is forced inward, so as to open a connection between the ball and the case 18, and the air contained in the ball will be forced into the case and through the hollow handle 10<sup>a</sup> to the chamber 13, and as the chamber fills it serves to give an even air-pressure to the oil, the air passing inward to the oil-chamber of a can through the channel 14 and opening 15.

Instead of applying the compressor at the point specified it may be secured to the can near the upper portion of the same, as indicated by dotted lines at 25 in Figs. 1 and 2, and in this case the air-pressure is applied directly to the chamber 13. The can is operated by directing the nozzle upon the part to be oiled and then pressing with the thumb upon the thumb-piece 21. This causes an air-pressure to be applied to the lower portion of the oil and the oil will issue with considerable force from the discharge-nozzle.

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

1. The combination, with an oil-can having an air-chamber in the upper part thereof, of a hollow handle opening into the air-chamber, an air-compressor connected with the handle, and a channel leading from the air-chamber to the lower portion of the can, substantially as shown and described.

2. The combination, with an oil-can having an air-chamber in the upper part thereof, of a hollow handle connected with the chamber, a case supported on the can and connected with the handle, an apertured collapsible ball secured to the case, a spring-pressed plug

mounted in an opening of the case and extending into the ball, and a thumb-piston secured to the plug and extending through the ball, substantially as shown and described.

- 5 3. The combination, with an oil-can having the usual discharge-nozzle, of an air-chamber arranged in the top of the can, near the base of the nozzle, a channel leading from the air-

chamber to the bottom portion of the can, and an air-compressor mounted exteriorly upon the can and adapted to force air into the channel, substantially as described.

HANS H. THIELLESEN.

Witnesses:

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