A. C. DAVIS.

DISPENSING CAN.

APPLICATION FILED DEC. 21, 1911.

1,040,519. Patented Oct. 8, 1912.

Fig. I.

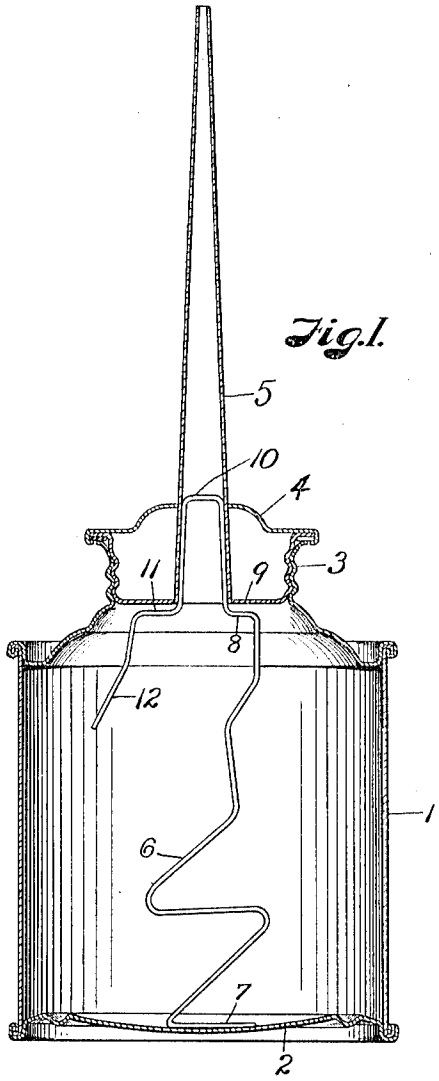
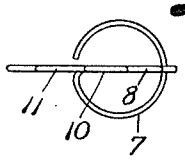


Fig. II.



WITNESSES:

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DISPENSING-CAN.

1,040,519. Specification of Letters Patent. Patented Oct. 8, 1912.

Application filed December 21, 1911. Serial No. 667,104.

To all whom it may concern:

Be it known that I, ARCHIBALD C. DAVIS, a citizen of the United States, residing at Omaha, in the county of Douglas and State of Nebraska, have invented certain new and useful Improvements in Dispensing-Cans; 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 and figures of reference marked thereon, which form a part of this specification.

My invention relates to dispensing cans and more particularly to a can of that type having a nozzle and a compressible bottom, by means of which oil or other liquid may be ejected from the nozzle by manipulation of the compressible bottom; the principal object of the present invention being to provide means for returning the bottom outwardly after each inward compression. In accomplishing this object, I have provided the improved details of structure hereinafter described and illustrated in the accompanying drawings, wherein:

Figure I is a central vertical section of an oil can constructed according to my invention. Fig. II is a top view of a spring for returning the can bottom, illustrating its supporting head.

Referring more in detail to the parts: 1 designates a can of any suitable construction, having an ordinary compressible bottom 2 and neck 3. Removably mounted in the neck 3, preferably by threading, is a cap 4, having a tapered nozzle 5, the inner end of which terminates within the neck.

6 designates a wire spring having a base head 7 shaped to provide a substantial seat on the compressible bottom 2, and having its body bent laterally at points throughout its height in order that it may yield when pressed from either end. At the upper end of the spring body is a shoulder 8, which is extended horizontally from the body and is adapted to bear against the bottom 9 of cap 4. The upper part of the spring, beyond the shoulder, forms a neck 10 which projects into the inner end of the nozzle 5 and terminates in an outer shoulder 11 which is adapted to bear against the bottom of the cap opposite the shoulder 9; the spring wire terminating in an arm 12 which projects into the can and is of sufficient length to obviate displacement of the neck 10.

In assembling the device, the spring may be seated on the compressible bottom of the can and the cap applied so that the neck 10 will project into the nozzle. The cap is then tightened on the can in the ordinary manner and the device used in the ordinary way.

It is apparent that the resiliency of the spring will allow the bottom to be pressed inwardly to discharge oil through the nozzle and will return to original position as soon as pressure is relieved from the bottom of the can; the spring being of proper strength to yield freely to operative pressure and also to return the bottom quickly to its initial position. It is also apparent that by having the neck of the spring projected into the nozzle the spring cannot become displaced when the cap is on the can and that by providing the off-set shoulders at the base of the neck, the spring will not be forced into the nozzle so as to stick and hold the spring base away from the can bottom. The device also has the advantage of being simple and economical in construction, as the spring is easily formed and may be quickly and easily applied to oil cans of any ordinary construction.

Having thus described my invention, what I claim as new therein and desire to secure by Letters-Patent is:

1. A dispensing can comprising a body, having a compressible bottom, a nozzle carried by the body, and a spring having a seat on the compressible bottom and having a neck projected into said nozzle and adapted for retaining the spring in functional position.

2. A dispensing can comprising a body, having a compressible bottom, a cap on the body having a nozzle opening into the interior thereof, and a spring having a base head seated on the compressible bottom and a neck projected into the nozzle, portions of the spring at the base of the neck being shouldered to bear against the cap and limit the projection of the neck, substantially as set forth.

3. A dispensing can comprising a body portion, having a compressible bottom, a cap

carried by the body and having a covered bottom portion, and a spring having a base head seated on the compressible bottom and shoulders bearing against the bottom of the cap, said shoulders having a connecting neck portion projected into the nozzle to anchor the spring, substantially as set forth.

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

ARCHIBALD C. DAVIS.

Witnesses:
W. J. FAIRCHILD,
J. S. MYERS.