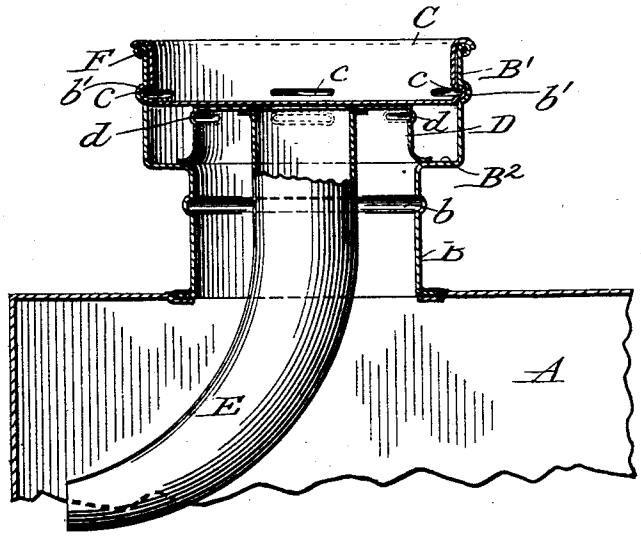
(No Model.)

G. J. RECORD.

SEALING CAP FOR CANS OR OTHER RECEPTACLES.

No. 580,222. Patented Apr. 6, 1897.

Fig. 1.



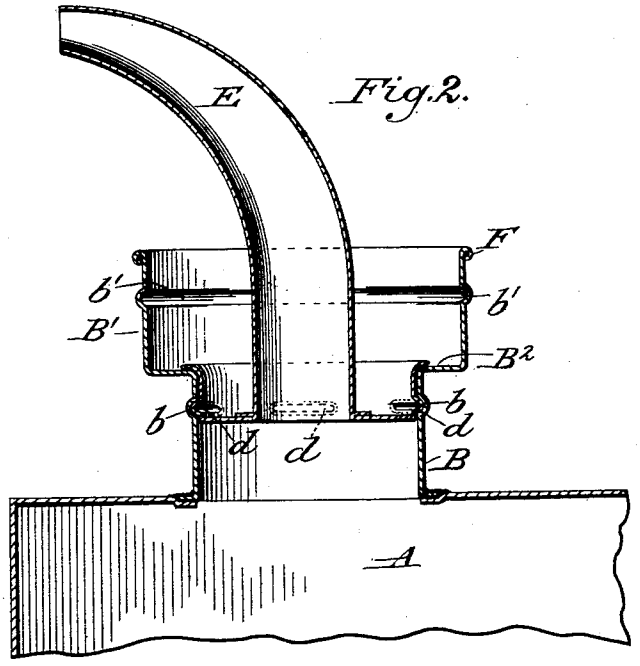
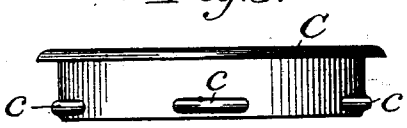


Fig. 2.

Fig. 3.



Attest:
F. H. Schott
Cloyd Lewis

Inventor:
George J. Record
by
Wm. H. Babcock
Attorney

UNITED STATES PATENT OFFICE.

GEORGE J. RECORD, OF CONNEAUT, OHIO.

SEALING-CAP FOR CANS OR OTHER RECEPTACLES.

SPECIFICATION forming part of Letters Patent No. 580,222, dated April 6, 1897.

Application filed December 28, 1896. Serial No. 617,288. (No model.)

To all whom it may concern:

Be it known that I, GEORGE J. RECORD, a citizen of the United States, residing at Conneaut, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in Sealing-Caps for Cans or other Receptacles; and I do hereby 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.

This invention relates to cans and other receptacles for liquids having necks or nozzles for filling and pouring out of them and provided with means for closing the aperture thereof when necessary.

The chief object of the said invention is to provide for more effectually closing the same, so as to guard against all risk of leakage in shipment without impairing the facility and convenience of pouring out the contents when that is desired. To this end I employ a neck or nozzle adapted to receive two seals, one of which has a spout attached to it, the said spout and seal being capable of inversion at will, so as to protrude from the can for use, but to be within the can during storage or shipment.

My invention also consists, more specifically, in the combination, with a reversible lower seal provided with a spout and an independent upper seal, of a neck or nozzle provided with independent seats for these two seals, and in certain additional means of preventing leakage, all as hereinafter more particularly set forth and claimed.

In the accompanying drawings, Figure 1 represents a vertical section of the upper part of a can provided with a tubular neck or nozzle and two seals or caps embodying my invention, the spout attached to the lower seal being shown in position for pouring out. Fig. 2 represents a similar view of the same, the spout being inverted and extending down within the can for convenience and safety in shipment and storage; and Fig. 3 represents a detail view of the upper cap or seal.

A designates the body of the can or receptacle; B, the tubular neck or nozzle rising above the same; C, the upper seal; D, the lower seal, and E the spout rigid with the latter.

The neck B has its upper part B′ considerably expanded, so as to form a broad horizontal shoulder B^2. It is also provided with a groove *b* below the said shoulder and another groove *b′* between said shoulder and its upper edge, these grooves receiving the interlocking parts of the two seals, respectively. The upper seal or cap C is provided with lateral projections *c* and the lower seal D with similar lateral projections *d*, which snap into said grooves by reason of the resiliency of the said caps or seals and the force used in putting them in place, the construction of these interlocking parts and their mode of action being more fully explained in my reissued Patent No. 11,382, dated November 7, 1893, and my Patent No. 509,098, dated November 21, 1893.

When the can is to be emptied either wholly or partly, the upper seal is removed either by cutting away or by the use of some suitable lever, the spout E is turned so as to protrude from the can, and the lower cap or seal D is forced down within the neck until its lugs or projections *d* snap into engagement with the lower groove *b*, the parts being then in the position shown in Fig. 1. When the can is to be closed again for shipment, the spout E is used as a lever to withdraw the seal D from its position of interlocking, and the said spout is inverted and dropped down within the can, the seal or cap D resting loosely on the shoulder B^2. An upper cap C is then pressed down into the expanded upper part of the tubular neck or nozzle B until its lugs or projections *c* snap into the groove *b′*.

To strengthen the rim of the neck B for use as a fulcrum, it is provided with a wire stiffening-ring F, over which the edge of the metal of said neck is rolled, or the edge is rolled tightly for stiffening without the wire.

Of course the devices herein described are as applicable to other receptacles as to a can, the latter being presented by way of instance and as the receptacle wherewith they will be found most useful.

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

1. In combination with an upper seal of resilient material having projections on its periphery, and a lower resilient seal provided

with a spout and similar projections, a can-neck B, having enlarged upper part B′, shoulder B^2, and grooves *b b′* arranged and operating with said seals substantially as set forth.

2. In combination with an upper seal of resilient material having projections on its periphery, and a lower resilient seal provided with similar projections, a can-neck having two independent grooves at different heights for receiving the projections of the said seals respectively, the lower seal being reversible and having a spout integral therewith substantially as set forth.

3. In combination with an upper seal of resilient material having projections on its periphery and a lower resilient seal provided with similar projections a can-neck having two independent grooves at different heights for receiving the projections of the said seals respectively substantially as set forth.

4. In combination with an upper seal and an independent lower seal, the latter being reversible and provided with a spout, a can-neck provided with internal grooves arranged at different heights and engaging respectively projections of the said seals substantially as set forth.

5. In combination with an upper seal and a lower seal both having peripheral projections, a can-neck provided with internal grooves arranged at different heights, and adapted to be engaged independently by the said seals which are held with an interval between them substantially as set forth.

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

GEORGE J. RECORD.

Witnesses:

S. B. ATWOOD,

J. L. RISLEY.