

J. W. STOVALL & J. T. FURNISS.
 BOTTLE SEAL DETACHING DEVICE.
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1,090,422.

Patented Mar. 17, 1914

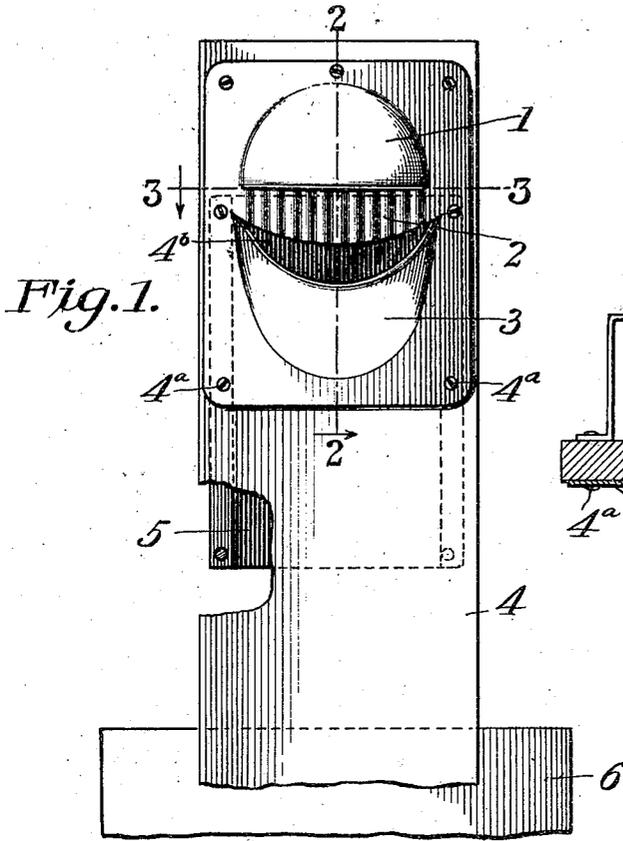


Fig. 1.

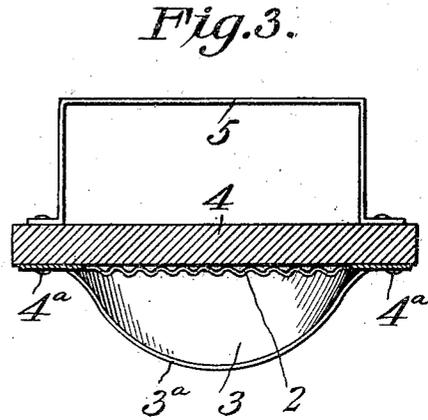


Fig. 3.

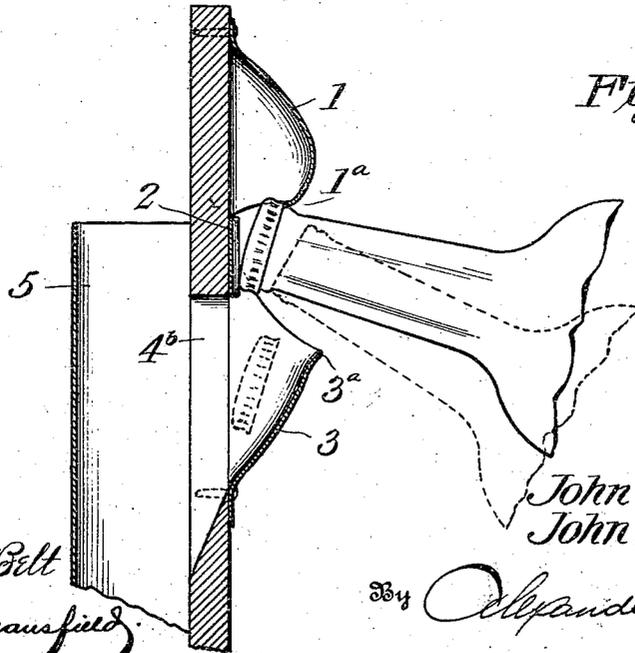


Fig. 2.

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UNITED STATES PATENT OFFICE.

JOHN W. STOVALL AND JOHN T. FURNISS, OF STOVALL, MISSISSIPPI.

BOTTLE-SEAL-DETACHING DEVICE.

1,090,422.

Specification of Letters Patent. Patented Mar. 17, 1914.

Application filed July 22, 1912. Serial No. 710,792.

To all whom it may concern:

Be it known that we, JOHN W. STOVALL and JOHN T. FURNISS, both of Stovall, county of Coahoma, and State of Mississippi, have invented certain new and useful Improvements in Bottle-Seal-Detaching Devices; and we hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form part of this specification.

This invention is a novel improvement in means for detaching seals from bottles, and its object is to provide a device whereby bottle seals, of the kind commonly called "crown seals" and the like, can be quickly detached from the bottle and the seals be directed into a suitable receptacle out of the way. The device can also be made more or less ornamental in appearance.

The invention consists in the novel construction of the device such as illustrated in the accompanying drawings and hereinafter described with reference thereto.

In said drawings Figure 1 is a front view of the complete device. Fig. 2 is an enlarged vertical sectional view on line 2-2, Fig. 1. Fig. 3 is an enlarged transverse section on line 3-3 Fig. 1.

The device as shown in the drawings may be conveniently made of sheet metal and comprises a metal base plate which has a seal detacher 1 near its upper end which is preferably formed by stamping a portion of the metal outwardly from the plate so as to detach the projection from the plate at its lower edge but leave it united therewith at top and sides. As shown the projection is parti-globular in shape and presents an ornamental appearance. The lower projecting edge 1^a of this detacher is preferably bent inwardly as shown at 1^a both to strengthen the lower edge of the detacher and also to insure the catching of the edge of the bottle seal when inserted thereunder (see Fig. 2).

Below the seal detacher 1 is a seal catcher 3, which is preferably formed like, but reverse to, the detacher so that its upper edge is entirely severed from the plate but it is attached thereto at bottom and sides, and the catcher is also preferably parti-globular in shape, but reverse in position to the detacher. The upper edge of the catcher 3

however is preferably flared outwardly as shown at 3^a to insure its catching the detached seals.

The strip of metal 2 between the detacher and catcher is preferably corrugated vertically, as shown, to lessen the liability of lateral slipping of the bottle neck or seal under the detacher lip when the seal is being detached and to prevent chipping the mouth of the bottle.

The device may be attached to a support 4 by screws 4^a or other suitable means; and this support may be of any suitable kind, and may be the side of a counter, or box; and the support 4 is provided with an opening 4^b which coincides with the seal catcher 3 so that the detached seals caught by the catcher are directed into this opening 4^b and thence into a chute 5 the upper end of which may be attached to the support 4 beside and over the opening 4^b; and the lower end of this spout or chute may be extended to any suitable point where it is desired to discharge the detached seals. As shown the chute directs the detached seals into a box 6 which may be placed on the floor. The chute may be of any desired cross section, and can be made of metal or other suitable material.

The operation of the device is very simple; the head of the bottle with the seal is introduced beneath the detacher 1 and against the corrugated strip 2 with the upper edge of the seal engaging the lip 1^a of the detacher, as indicated in full lines in Fig. 2; the body of the bottle is then lowered to the position indicated in dotted lines in Fig. 2, which causes the detacher to force the seal off the bottle neck; and the seal drops into the catcher 3 and thence passes through the chute 5 into the receptacle 6, or other suitable receiver.

The device would be useful if attached to an imperforate wall or support, as catcher 3 would hold a number of seals.

What we claim is:

1. A bottle seal detaching device comprising a plate having a projecting detaching device, said plate also having a projecting parti-globular seal catcher below the said detaching device.

2. A bottle seal detaching device comprising a plate having a projecting detaching device provided with a seal-engaging lower

edge, a corrugated slip preventing strip below the detacher, and a projecting seal catcher below the said strip.

3. A seal detaching device comprising a
5 plate having a projecting detaching device provided with a seal engaging inwardly curved lower edge, and a projecting parti-globular seal catcher below the detacher, the
10 said detacher and catcher being made by stamping the metal outwardly from the plate so as to leave an intermediate strip.

4. The herein described seal detaching device comprising a plate having a projecting parti-globular detaching device provided

with a seal engaging lower edge, a corru- 15
gated slip preventing strip below the de-
tacher, and a projecting parti-globular seal
catcher below the said strip, the said de-
tacher and catcher being stamped outwardly
from the plate. 20

In testimony that we claim the foregoing
as our own, we affix our signatures in
presence of two witnesses.

JNO. W. STOVALL.
JOHN T. FURNISS.

In presence of—
CHAS. W. CLARK,
J. A. JONES.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
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