

990,982.

J. M. HOTHERSALL.
SIFTER TOP FOR CANS OR VESSELS.
APPLICATION FILED MAR. 1, 1906.

Patented May 2, 1911.

Fig. 1

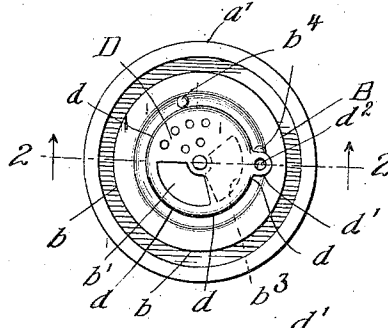


Fig. 2

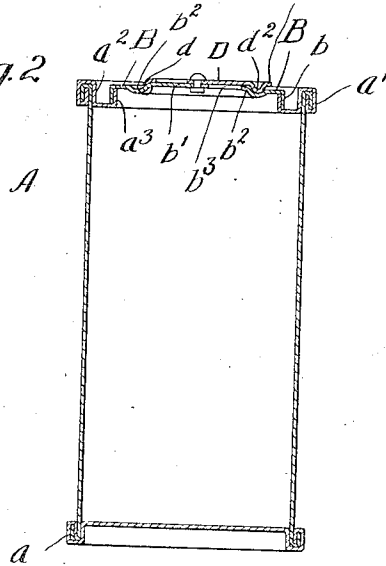


Fig. 3

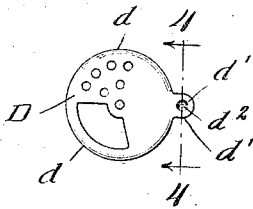


Fig. 4

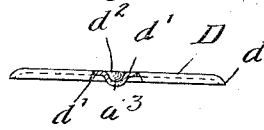
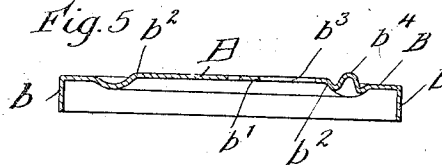


Fig. 5



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN M. HOTHERSALL, OF NEW YORK, N. Y., ASSIGNOR TO AMERICAN CAN COMPANY,
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SIFTER-TOP FOR CANS OR VESSELS.

990,982.

Specification of Letters Patent.

Patented May 2, 1911.

Application filed March 1, 1905. Serial No. 247,896.

To all whom it may concern:

Be it known that I, JOHN M. HOTHERSALL, a citizen of the United States, residing in the borough of Brooklyn, city of New York, in the county of Kings and State of New York, have invented a new and useful Improvement in Sifter-Tops for Cans or Vessels, of which the following is a specification.

10 My invention relates to improvements in sifter tops for cans or vessels.

The object of my invention is to provide a sifter top of a simple and efficient construction, capable of being cheaply manufactured, and in which the rotary perforated closing plate may be conveniently turned and at the same time properly stopped or registered in both its closed position and in its open position.

20 My invention consists in the means I employ to practically accomplish this object or result; that is to say it consists, in connection with a suitable cover or cap plate having a marginal cylindrical flange for securing it to the top head of the can, and
25 provided with a raised center furnished with a discharge opening, preferably of sector-shape and being, preferably, about one-third of a circle in extent, and provided with
30 integral stops, preferably in the form of raised teats, of a rotary closing plate pivotally secured at its center to the top or cap plate by a rivet, and having a marginal flange fitting and surrounding the raised
35 center of the cap plate, and a projecting lip or finger piece having a small round central depression therein forming a projecting teat on the under side of the lip to engage the
40 stops on the cap or top plate, and thus at once stiffen and strengthen the finger piece and cause it to be raised slightly above the surrounding surface of the cap or cover, and thus cause the finger piece to more readily engage the finger or thumb for turning the rotary closing plate.

45 My invention also consists in the novel construction of parts and devices and in the novel combinations of parts and devices herein shown and described, and more particularly specified in the claims.

In the accompanying drawing, forming a part of this specification, Figure 1 is a top or plan view and Fig. 2 is a central vertical section of a can or vessel embodying my in-

vention, the section being taken on the line 55 2—2 of Fig. 1; Fig. 3 is a detail plan view of the rotary closing plate, and Fig. 4 is a detail section on line 4—4 of Fig. 1; and Fig. 5 is a detail section of the cap.

In the drawing A represents the can or vessel, having a bottom head *a* and top head *a'*. The head *a'* has a depending flange *a²* fitting inside the can body A, and an upright inner flange *a³* to receive the marginal flange *b* of the sifter top cap or cover B. The sifter cap or cover B has a raised center *b¹* surrounded by a flange or shoulder *b²*. The raised center *b¹* has a discharge opening *b³*, preferably of sector-shape and about one-third of a circle in extent. The sifter cap or cover B has a slight annular depression surrounding its raised center, and is provided with a plurality of integral stops or teats *b⁴* *b⁴* to engage the finger piece of the rotary closing plate D. The rotary closing plate D has a marginal flange *d* fitting and surrounding the raised center *b¹* of the sifter cap or cover B, and also an integral finger piece or lip *d¹* projecting radially therefrom. This finger piece or lip *d¹* is provided with a small central round depression *d²* forming a stop, teat or projection *d³* on the lower side of the finger piece, which is adapted to engage the corresponding stops, teats or projections *b⁴* on the sifter cap or cover B. The central stop, teat or projection *d³* on the under side of the finger piece *d¹*, also causes said finger piece to be raised somewhat above the surface of the cap or cover B, so that the finger or thumb may readily engage the finger piece.

I claim:

1. In a sifter top can, the combination with a cap, having a raised center provided with an opening therein, and an annular groove surrounding said raised center, said annular groove being bridged by upwardly projecting limiting stops therein, of a rotary closing plate having a raised center and marginal depending flange surrounding and embracing said raised center of said cap, and provided with a radially extending integral finger piece projecting from and flush with the raised center of said plate, said finger piece having a central depression therein in its upper face forming a downwardly projecting teat on its under side fitting in said annular groove of said cap and

adapted to engage said limiting stops in said annular groove of the cap, substantially as specified.

2. In a sifter top can, the combination
5 with a cap having a raised center surrounded by an annular groove and provided with an opening therein, of a rotary closing plate having a raised center and depending
10 flange fitting and surrounding said raised center of said cap, and provided with an integral finger piece projecting flush with the raised center of the cap, said finger piece
15 having a depressed center adapted to fit in said annular groove of said cap, substantially as specified.

3. In a sifter top can, the combination with a cap having a raised center surrounded by an annular groove and provided with an opening, of a rotary closing plate provided with an integral finger piece projecting radially therefrom, said closing plate
20 having a raised center and said finger piece having a depressed center and said cap having stops to engage the depressed center of the finger piece, substantially as specified. 25

JOHN M. HOTHERSALL.

In presence of—

ANDREW KNOLL,
OTTO S. PETERSON.