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No. 811,649.

PATENTED FEB. 6, 1906.

I. J. MARCUSE.
SHEET METAL CAN.

APPLICATION FILED AUG. 22, 1905.

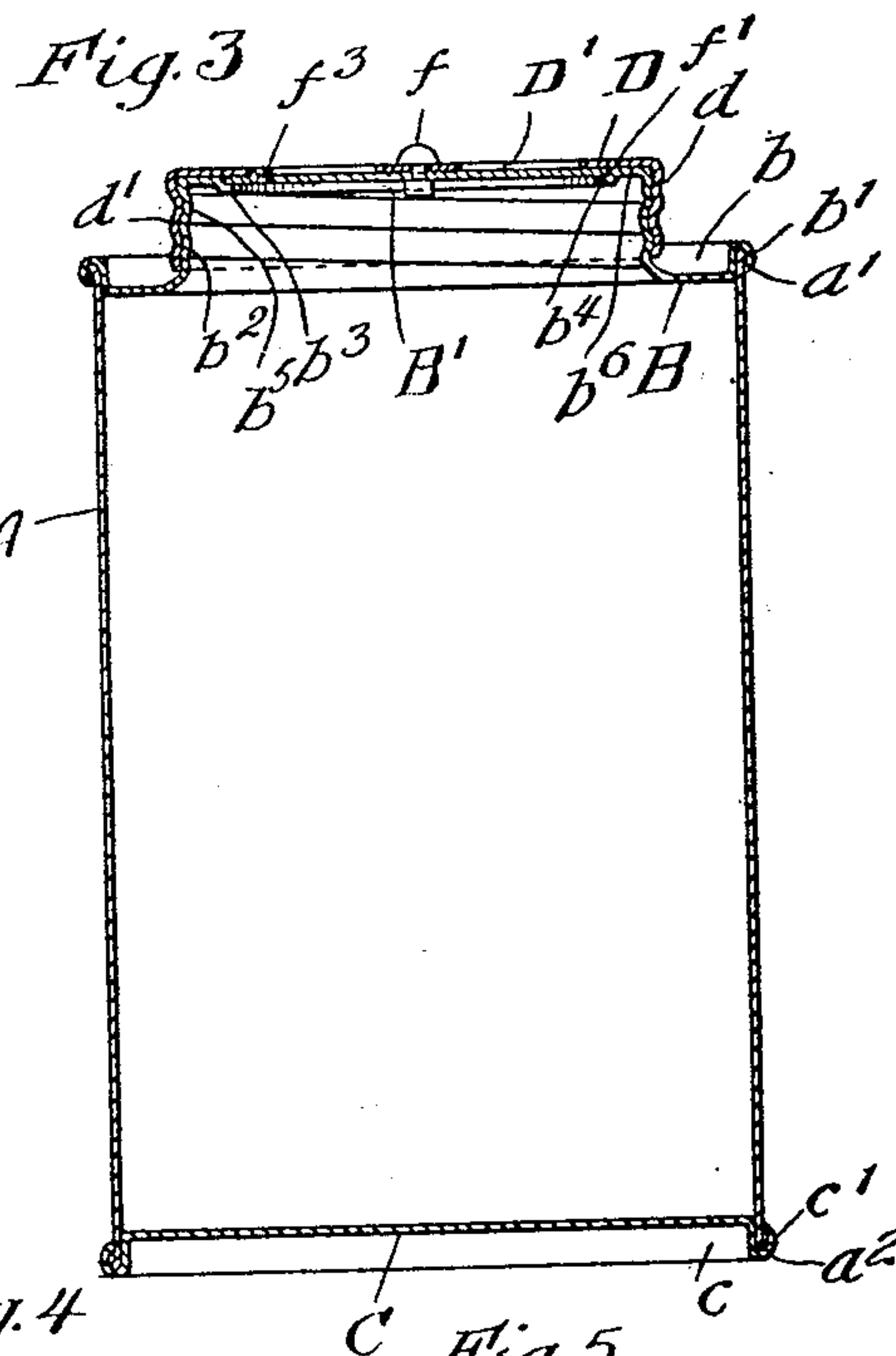
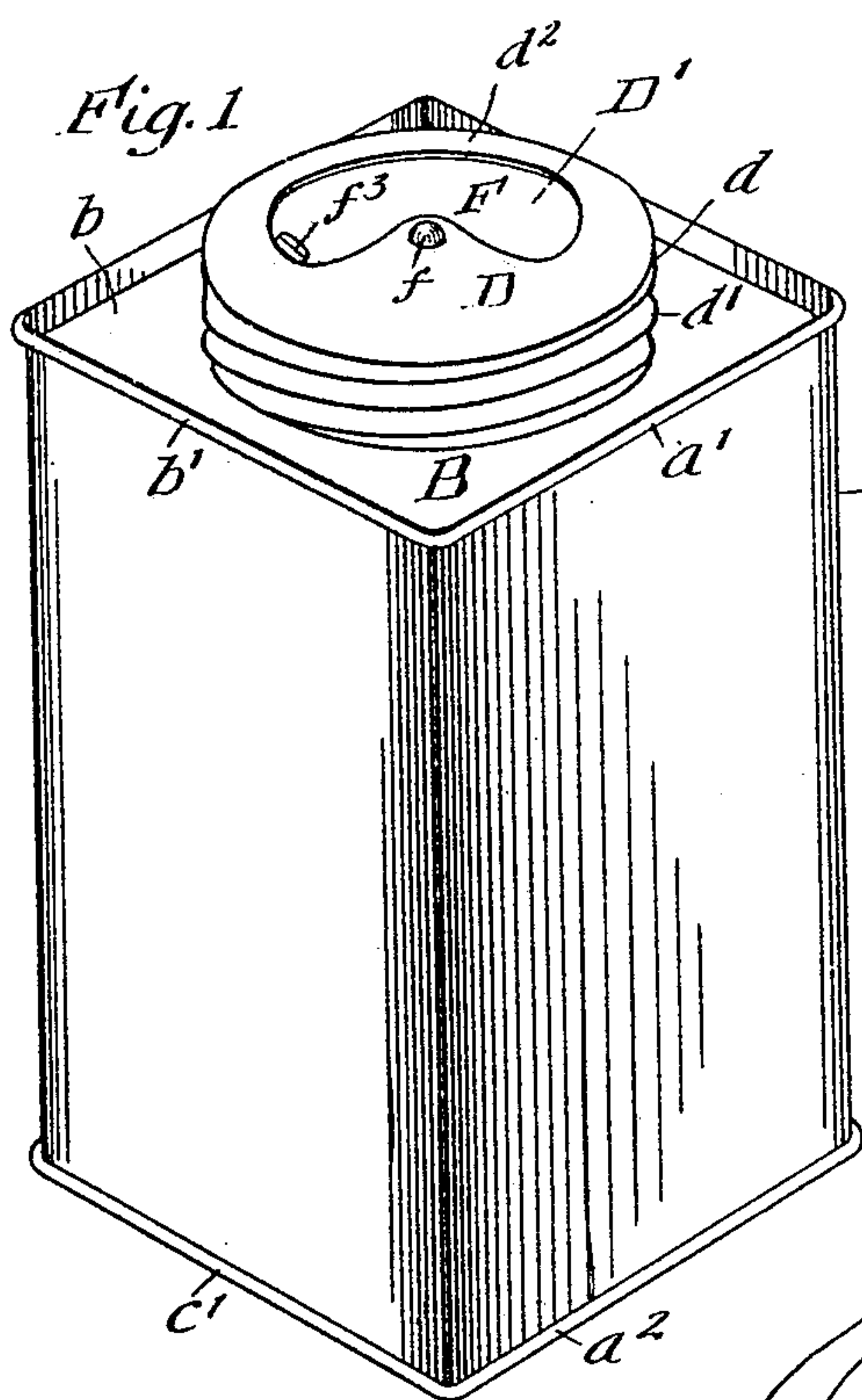


Fig. 2

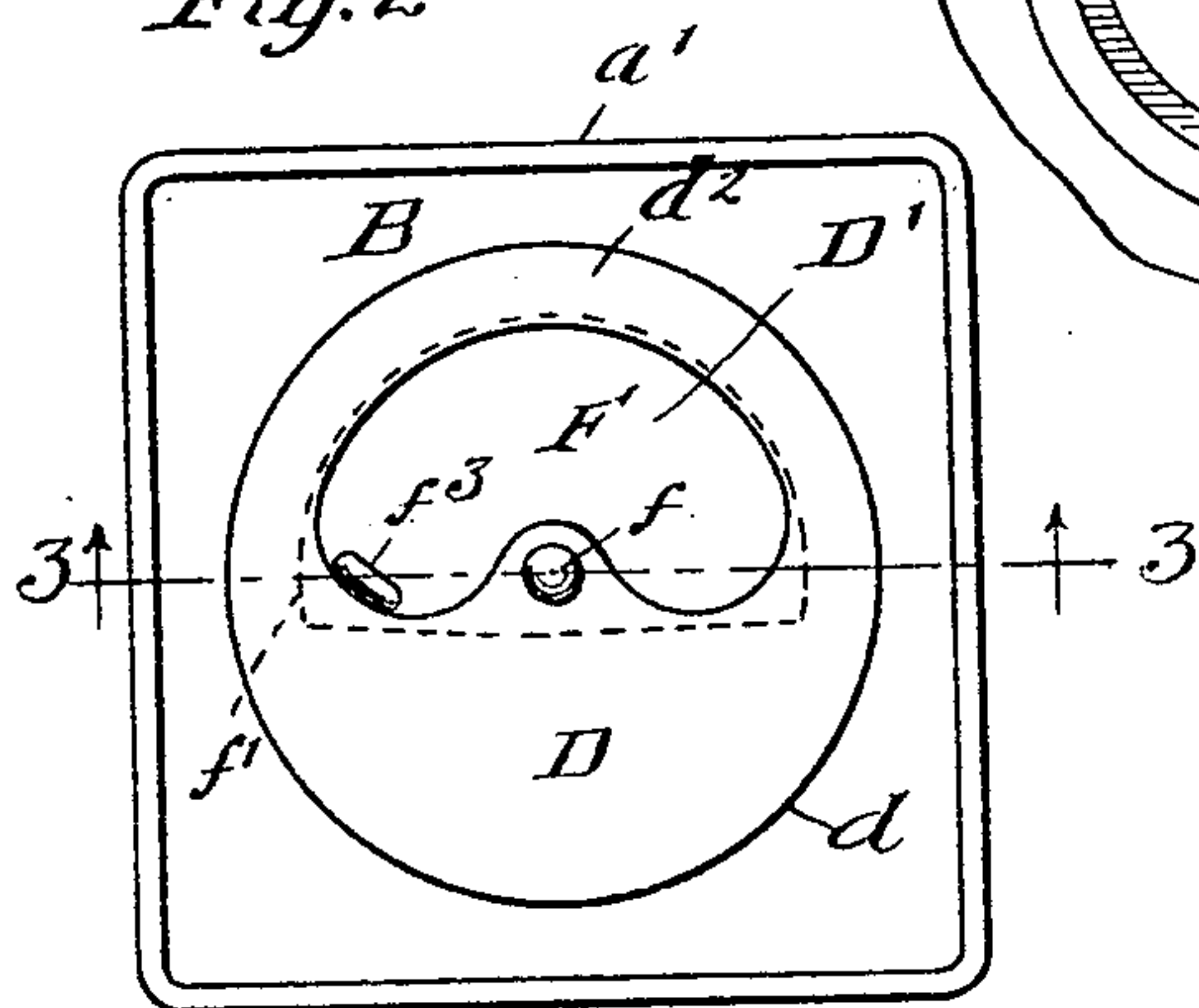


Fig. 4

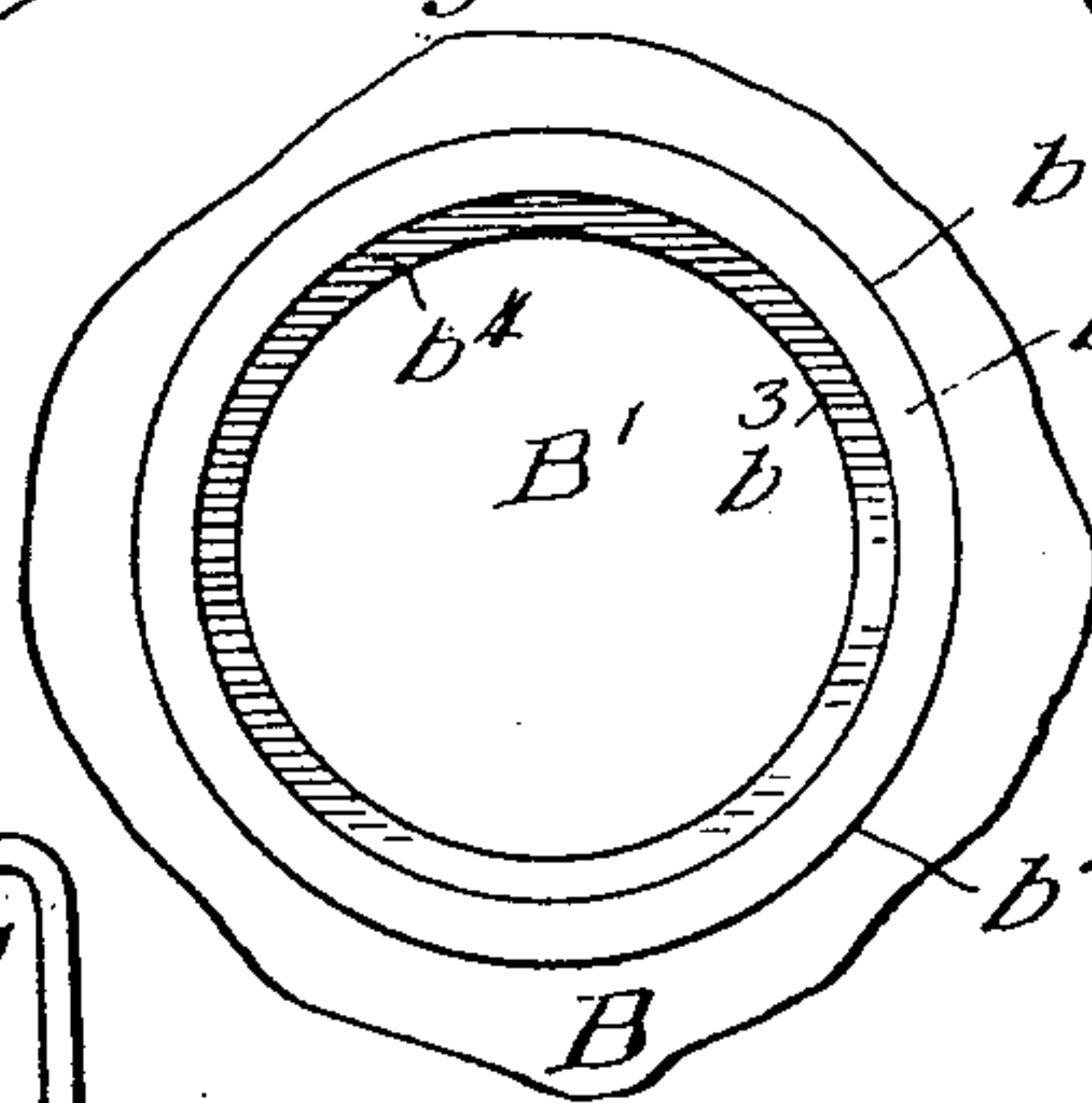
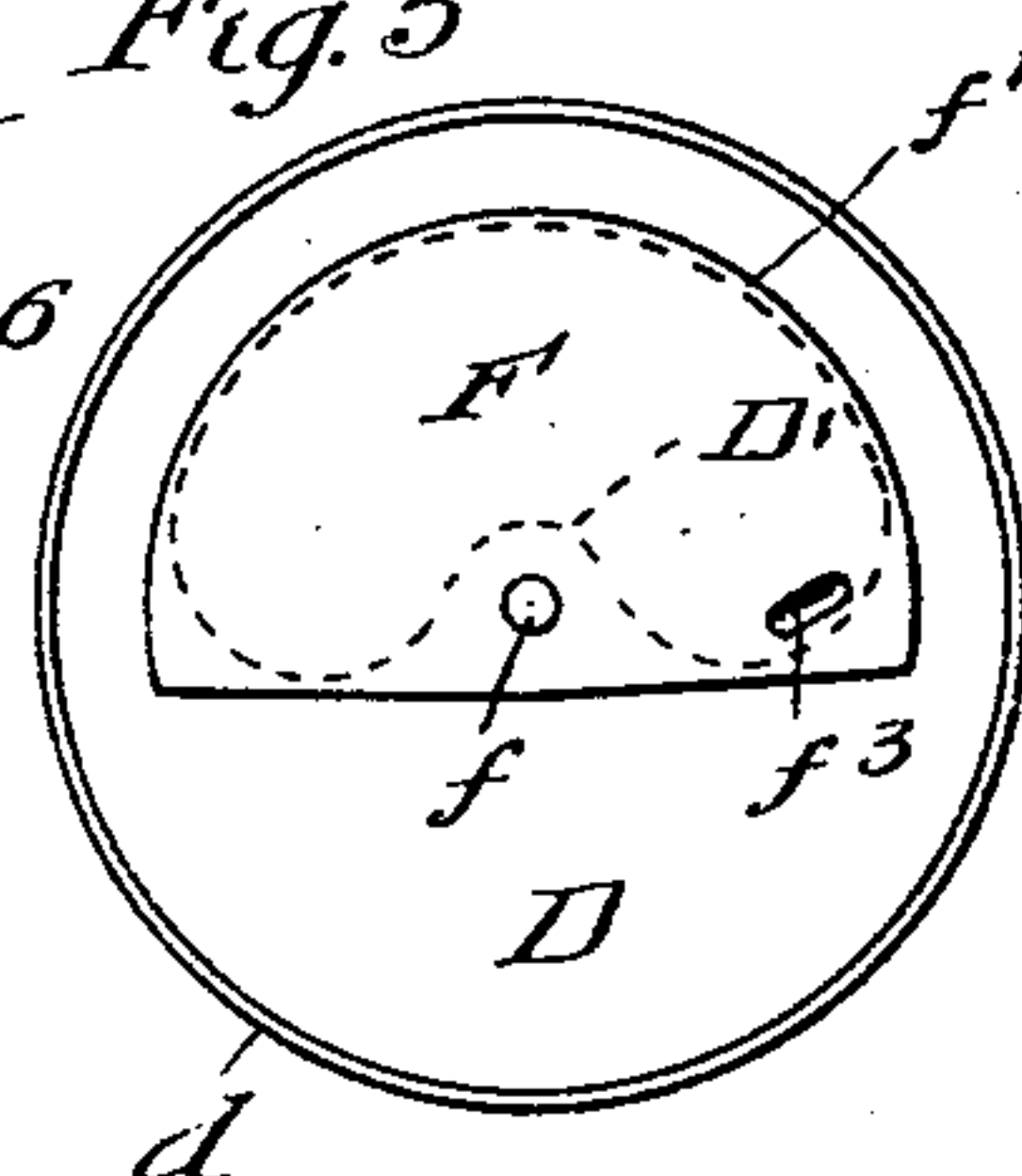


Fig. 5



Witnesses:

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UNITED STATES PATENT OFFICE.

ISAAC J. MARCUSE, OF RICHMOND, VIRGINIA, ASSIGNOR TO AMERICAN CAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

SHEET-METAL CAN.

No. 811,649.

Specification of Letters Patent.

Patented Feb. 6, 1906.

Application filed August 22, 1905. Serial No. 275,257.

To all whom it may concern:

Be it known that I, ISAAC J. MARCUSE, a citizen of the United States, residing in Richmond, in the county of Henrico and State of Virginia, have invented a new and useful Improvement in Sheet-Metal Cans, of which the following is a specification.

My invention relates to improvements in sheet-metal cans, and more particularly to improvements in cans designed for containing smoking-tobacco for pipes or cigarettes or other granular or semigranular or powdered articles, which may be poured out of the can when desired for use.

My present invention is an improvement upon the can shown and described in my pending application, Serial No. 270,380, filed July 19, 1905.

The object of my invention is to improve, simplify, and perfect the construction of can forming the subject of my said pending application, and to adapt it for containing finely-powdered materials, as well as smoking-tobacco.

My present improvement consists, in connection with the top or upper head of a can furnished with a screw-neck having an inturned flange at its upper edge and provided with a screw-cap having a segmental opening therein and a rotary closing-plate fitting inside the screw-cap and pivoted thereto, in providing the inturned flange on the screw-neck of the top or head with a circular recess or countersink to receive the circular portion or rim of the rotary closing-plate, this recess in the flange of the screw-neck corresponding in depth substantially to the thickness of the rotary closing-plate and serving as a guide and support therefor and at the same time enabling the rotary closing-plate to effect a tight closure of the segmental opening in the screw-cap.

My invention further consists in the novel construction of parts and devices and in the novel combinations of parts and devices herein shown and described.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of the can embodying my invention. Fig. 2 is a top or plan view. Fig. 3 is a vertical section on line 3-3 of Fig. 2. Fig. 4 is a detail plan view of the screw-neck of the can-top, showing the annular recess in its flange to receive and guide the rim of the ro-

tary closing-plate. Fig. 5 is an inverted detail plan view of the screw-cap and rotary closing-plate pivoted thereto.

In the drawings, A represents the body of the can or vessel, B its top or upper head, and C its bottom or lower head. The top or head B of the can is preferably furnished with a countersink b , and flange b' united to the body A by a seam a' . The bottom C is also preferably furnished with a countersink c , and a flange c' united to the body A by the seam a'' .

The top or upper head B is furnished with an upwardly-projecting neck or cylindrical flange b^2 , surrounding the filling-opening B' in the can, and having at its upper edge an inwardly and horizontally projecting annular flange b^3 , which is furnished with an annular recess or countersink b^4 , preferably corresponding in depth about to the thickness of the rotary closing-plate F. The neck b^2 of the top B is furnished with screw-threads b^5 to receive the removable cap D, which has a depending flange d furnished with screw-threads d' to engage the screw-threads on the integral neck b^2 of the top B. The removable screw-cap D is provided with a small or segmental opening D' at one side of its center, and is furnished on its inside with a rotary closing-plate F, rotatably secured to the cap D by a rivet or pivot-pin f , so that the rotary closing-plate can be turned for opening and closing the pouring-opening D' in the cap D. When the screw-cap D is applied to the screw-top B of the can, the circular rim f' of the closing-plate F fits in the annular recess or countersink b^4 of the annular flange b^3 and between said flange b^3 and the marginal portion d^2 of the screw-cap D. The rotary closing-plate is thus guided and supported at its rim on the inside by the annular flange on the screw-neck of the can-top, and on the outside by the screw-cap, and as a recess is provided in one of the parts between which the rotary closing-plate is embraced these parts may be screwed firmly home, one upon the other, without improperly clamping the rotary closing-plate and causing it to bind so it cannot be readily turned, while at the same time the rotary closing-plate is firmly and snugly supported and a tight and secure closure effected. The annular marginal portion b^5 of the flange b^3 of the screw-top B serves as a stop by its engagement with the top marginal portion of the screw-cap to limit the extent to which

the screw-cap may be turned or screwed home I prefer to form the recess b^4 to receive the rotary closing-plate in the top head B; as illustrated in the drawings, instead of in the screw-cap.

The rotary closing-plate F is furnished with an integral projection f^3 , stamped up therein for engagement of the thumb or finger nail to facilitate the turning of the rotary closing-plate. This projection f^3 also serves as a stop to limit the turning movement of the rotary closing-plate in both its opening and closing movements. The rotary closing-plate is preferably sector-shaped, substantially as indicated in the drawings.

I claim—

1. In a can the combination with a top or upper head having a screw-neck furnished with an inturned flange at its upper edge, said inturned flange being provided with an annular recess or countersink to receive the rim of a rotary closing-plate, of a screw-cap having a segmental opening therein and a rotary

closing-plate inside the cap and pivoted thereto, and fitting at its outer circular rim portion in the annular recess in said inturned flange of the screw-neck, said rotary closing-plate fitting between the screw-cap and screw-neck of the can and guided and supported thereby, substantially as specified.

2. In a can the combination with a top or upper head furnished with a screw-neck, provided with an inturned flange at its upper edge, of a screw-cap having a segmental opening therein and a rotary closing-plate fitting inside the cap and between the cap and the inturned flange of the screw-neck, one of said screw parts being furnished with a recess to receive said rotary closing-plate, said rotary closing-plate being supported and guided at its circular rim portion by said screw-cap and screw-neck, substantially as specified.

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Witnesses:

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