Feb. 24, 1925. 1,527,449

J. H. SPECHT

FRICTION TOP CAN

Filed June 26, 1920

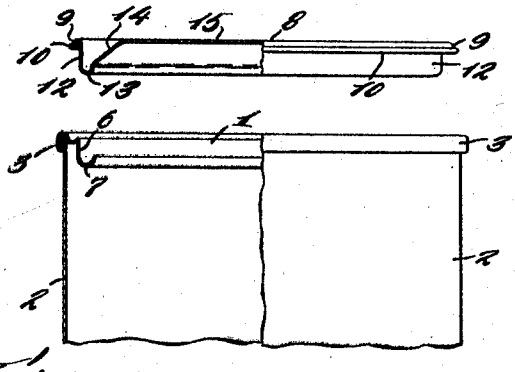


Fig. 1

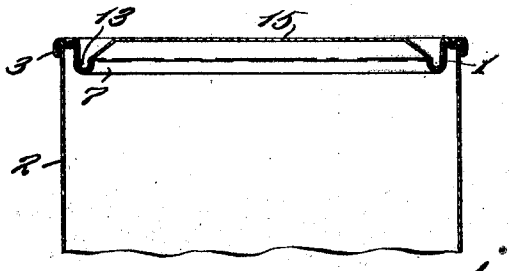
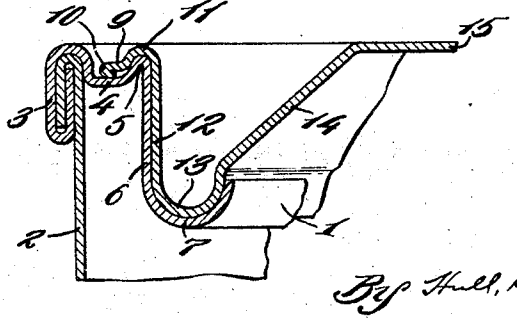


Fig. 2

Fig. 3



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UNITED STATES PATENT OFFICE.

JOHN H. SPECHT, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF TO GEORGE L. SCHABER, OF CLEVELAND, OHIO.

FRICTION-TOP CAN.

Application filed June 26, 1920. Serial No. 391,881.

To all whom it may concern:

Be it known that I, JOHN H. SPECHT, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Friction-Top Cans, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

This invention relates to cans and more particularly to cans of the type employing a detachable friction top for closing the head thereof.

Some of the objects of the present invention are to provide a can the cover of which is so formed as to provide an air space above the contents of the can when the cover is applied to the receiving portion thereof; to provide a can the receiving portion of which shall be so formed as to present a reinforcing rib which shall prevent distortion thereof even though the can is opened and closed repeatedly; to provide a can which shall present a flat surface when the cover is applied and thereby permit convenient stacking of such cans; also to provide a can which shall be simple in construction and inexpensive of manufacture. Further objects and advantages will appear as the description proceeds.

In the accompanying drawings wherein I have shown an illustrative embodiment of my invention, but without intent to limit myself thereto, Fig. 1 is a view, partly in section, of a portion of my improved can with the cover detached; Fig. 2 is a vertical sectional view of a portion of my improved can with the cover applied thereto; and Fig. 3 is an enlarged detail sectional view showing the cover applied to the receiving portion of the can.

Describing the various parts by reference characters, 1 indicates a receiving ring fastened to the upper edge of the can body 2 in any approved manner, as by the double seam indicated at 3. On its inner side, the receiving ring 1 is bent inwardly as indicated at 4 and then upwardly, as shown at 5, to form a strengthening rib. The main friction seat for the cover is formed by continuing the bend 5 downwardly at substantially right angles to the body of the ring, to form a vertical wall, as indicated at 6. The metal is then curved upwardly to form a semi-circular seat and strengthening rib 7, the latter preventing the wall 6 from becoming distorted by the application and removal of the cover.

The cover 8 is formed with a lateral flange 9 which has its outer edge turned under, as indicated at 10, to form a finished surface therefor and to receive therebeneath the article by which the cover will be removed. The inner portion of the flange is turned upwardly at 11 to conform to the rib 5 and then downwardly at substantially right angles thereto, to form a vertical wall 12, and is then shaped to provide a semi-circular rib 13, the parts 12 and 13 being adapted to contact respectively with the wall 6 and the seat 7, to form a continuous tight joint therewith. The semi-circular rib 13 is continued upwardly and inwardly, as shown at 14, to the central portion 15 of the cover, which portion lies in a plane with the rib 11 and the top of the double seam 3 and thus forms an air space between the inner end of the rib 7 and cover 8. It is apparent that an expansion chamber is thus provided above the combined rib and seat 7 which is advantageous for applying the cover as well as in the event that the can is used for easily volatilized substances. It is also apparent that I have provided a can the cover of which is flat across the top surface thereof, permitting easy stacking of a number of cans on a shelf, one above the other. Furthermore, the manner of forming the parts 12, 13 and 14 prevents distortion of the seating portion of the cover and adds to the strength thereof. The arrangement of the double seam 3 and the rounded or wire edge 10 of the cover enables a suitable tool or article to be conveniently inserted beneath such edge, the double seam furnishing a fulcrum by means of which the cover may be readily removed. Furthermore, should any of the liquid contents of the can escape over the rib 7, practically all such liquid will flow back into the can.

Having thus described my invention, what I claim is:

1. A friction top can comprising a body portion and a receiving portion secured thereto and provided within its marginal portion with an upwardly projecting annular rib, with a vertical wall depending from said rib and a concave inwardly projecting rib at the lower end of said wall, and a cover provided with an upwardly pro-

jecting annular rib forming a seat with the first mentioned rib, a vertical wall depending from said rib, a concave rib at the bottom of the last mentioned wall and fitting within the second rib, and a central flat portion connected by an upwardly and inwardly inclined wall with the last mentioned rib, the central portion of the cover and the first mentioned rib on said cover being in substantially the same plane.

2. A friction top can comprising a body portion and a receiving portion secured thereto, the marginal or peripheral edge of the receiving portion being elevated and said receiving portion being provided within its marginal portion with an upwardly projecting annular rib, with a vertical wall depending from said rib and a concave inwardly projecting rib at the lower end of said wall, and a cover having a rounded outer edge within the marginal elevation of said receiving portion and provided with an upwardly projecting annular rib within said rounded edge, a vertical wall depending from said rib, a concave rib at the bottom of the last mentioned wall, and a central flat portion connected by an upwardly and inwardly inclined wall with the last mentioned rib, the ribs on the cover seating with the corresponding ribs on the receiving portion of the can and the central portion of the cover, the first mentioned rib on said cover, and the elevated margin of the receiving portion being in substantially the same plane.

In testimony whereof, I hereunto affix my signature.

JOHN H. SPECHT.