March 29, 1932. S. L. BUSCHMAN 1,851,617

CONTAINER

Filed Nov. 5, 1927

Fig. 1,

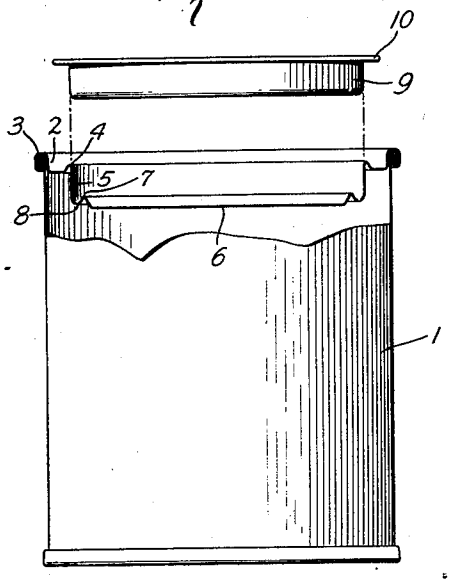


Fig. 2,

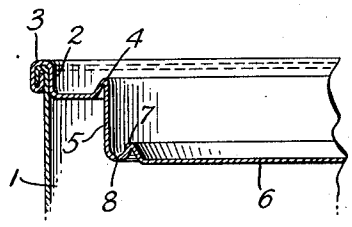


Fig. 3,

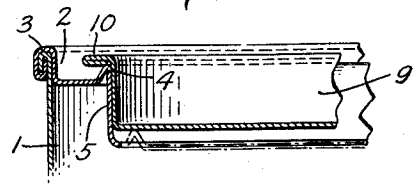


Fig. 5,

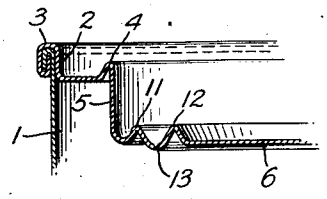


Fig. 4,

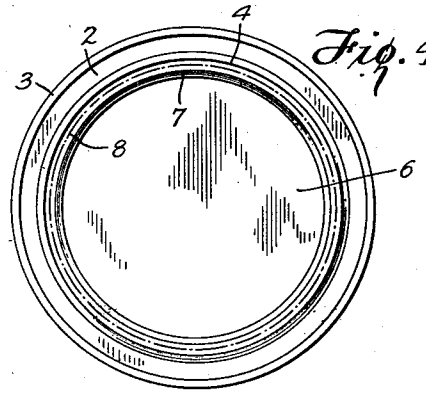


Fig. 6,

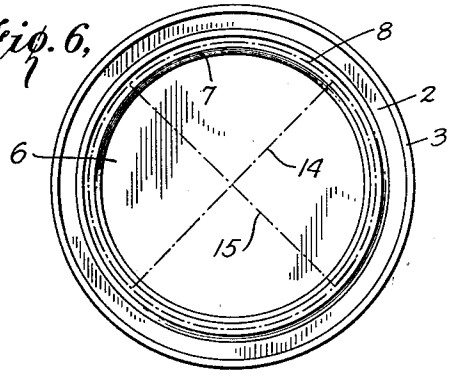


Fig. 7,

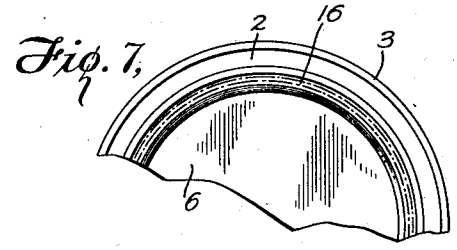


Fig. 8,

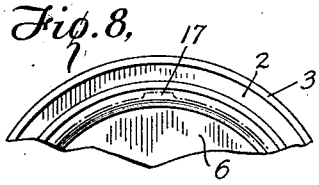
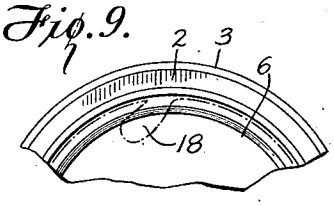


Fig. 9.



INVENTOR
Sol. L. Buschman
BY
Townsend & Decker
ATTORNEYS

Patented Mar. 29, 1932 1,851,617

UNITED STATES PATENT OFFICE

SOL L. BUSCHMAN, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO METAL PACKAGE CORPORATION, OF NEW YORK, N. Y., A CORPORATION OF DELAWARE

CONTAINER

Application filed November 5, 1927. Serial No. 231,223.

My invention has for its principal object the production of an air-tight container of novel construction which shall be particularly useful in shipping substances or commodities which will deteriorate in the presence of air, the air-tight seal thereof being adapted to be removed when access to the contents of the container is desired and an ordinary removable plug then being employed to close the container.

A further object of the invention is the production of a container of the above character in which the sealing plate or air-tight seal shall be suitably scored and shall have a peculiar construction making it possible to cut the score and remove the plate or seal with facility.

Other objects and advantages of the invention will appear from the accompanying description, the invention consisting in the novel container hereinafter more particularly described and then specified in the claims.

In the accompanying drawings illustrating a practical embodiment of the invention:

Fig. 1 is a side elevation (partly broken away) of a container constructed in accordance with the invention.

Fig. 2 is a fragmentary sectional view of a part of the container.

Fig. 3 is a similar view showing the removable plug in position.

Fig. 4 is a plan view of the sealing plate.

Fig. 5 is a view similar to Fig. 2 but showing a modification.

Fig. 6 is a view similar to Fig. 4 but showing a further modification.

Figs. 7, 8 and 9 are fragmentary plan views of certain additional modifications of the sealing plate.

Referring in detail to the drawings:

1 indicates the body of the container which is preferably cylindrical in form and which is provided with a head 2 secured to the body in any desirable manner, said head having an edge 3 and a seat 4. A depending annular flange 5 is preferably made integral with the seat 4 and a sealing plate 6 is made integral with the flange 5. Said sealing plate, adjacent the flange 5, is provided with a bead 7 and it is suitably scored as at 8 intermediate the bead 7 and flange 5. 9 indicates the body of a friction closing plug which is frictionally received by the flange 5. Said plug is provided with a flanged head 10 which, when the plug is in closed position, engages the seat 4 as the body of the plug engages the bead 7 as shown in Fig. 3.

As is obvious, the sealing plate 6 acts as an air-tight seal to prevent air from reaching the contents of the container. When it is desired to use the contents the friction plug 9 is first removed by inserting a tool under the flanged head 10 and employing the edge 3 of the container as a fulcrum whereby upward pressure may be applied to said flanged head. A suitable sharp tool or punch is then employed to cut the score 8. The bead 7 acts as a support for the side of the tool whereby the score is being cut. The sealing plate 6 may thus be removed with facility.

In the modification shown in Fig. 5 I provide the sealing plate with two beads, the plate being scored in this case intermediate said beads as at 13.

In Fig. 6 the sealing plate is also cross-scored as at 14 and 15 so that a quarter or a half only of said plate may be cut away if so desired.

In Fig. 7 the sealing plate is provided with a double circular score 16 instead of a single score as in the preferred form.

In Fig. 8 in addition to a circular score, an outside tail score 17 is provided which, when cut, provides a convenient lip which may be gripped by a suitable tool. Fig. 9 shows an inside tail score 18 which is provided for the same purpose as the lip 17.

It will be understood that any of the modifications of the scoring of the sealing plate may be used for either the invention of Fig. 2 or that of Fig. 5.

What I claim as my invention is:—

1. A container having a head provided with a substantially cylindrical wall and a closure plate extending across said head at the base of said wall, said plate being formed with a plurality of closely spaced annular beads extending around the same and with a score line in said plate between said beads,

said beads having opposed walls so shaped as to guide a tool in severing said score line.

2. A container having a head provided with a substantially cylindrical wall and a closure plate extending across said head at the base of said wall, said plate being formed with a plurality of closely spaced annular beads extending around the same and with a score line in said plate between said beads, said beads having opposed walls so shaped as to guide a tool in severing said score line, and a removable cover provided with a cylindrical wall for frictional engagement with said first-named cylindrical wall and movable into closed position in engagement with the outer of said beads after said plate has been severed on said counterscore.

Signed at New York, in the county of New York and State of New York, this 4th day of November, A. D. 1927.

SOL L. BUSCHMAN.