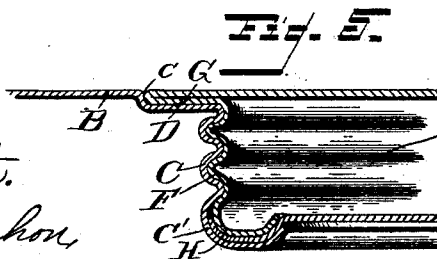
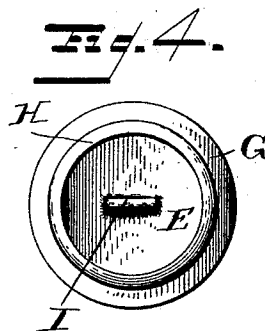
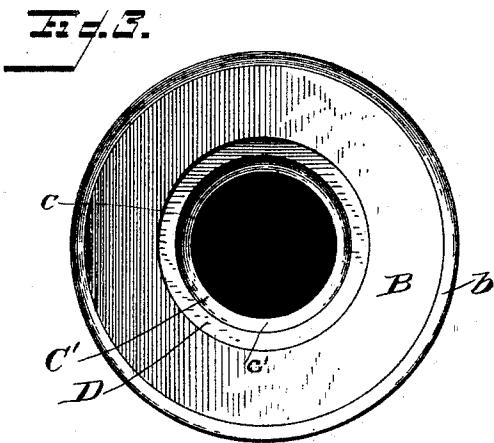
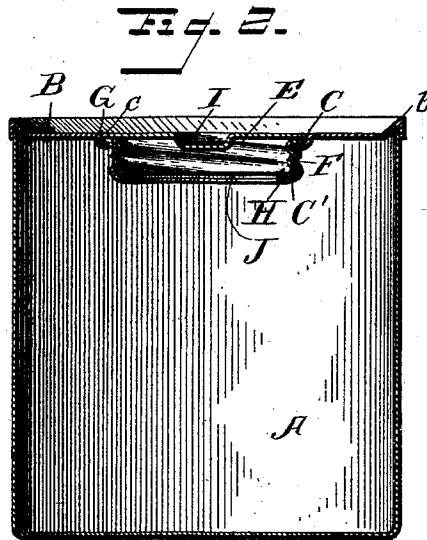
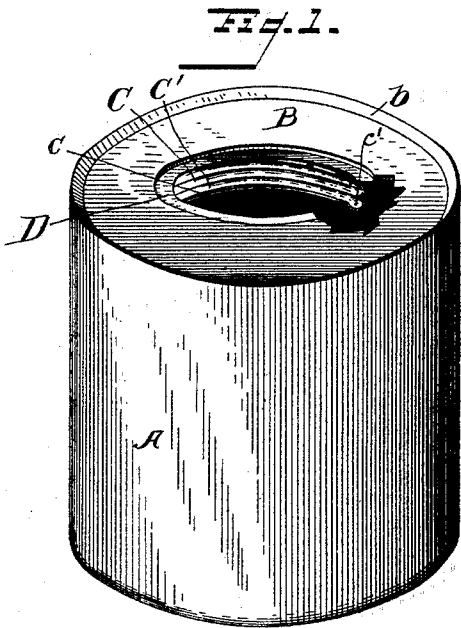


(No Model.)

W. L. EISENGART.
TOP FOR SHEET METAL CANS.

No. 497,976.

Patented May 23, 1893.



Witnesses

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M. J. McMahon.

Inventor

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UNITED STATES PATENT OFFICE.

WILLIAM L. EISENGART, OF CHICAGO, ILLINOIS, ASSIGNOR OF TWO-FIFTHS
TO ROBERTSON J. FISHER, OF FORT WAYNE, INDIANA.

TOP FOR SHEET-METAL CANS.

SPECIFICATION forming part of Letters Patent No. 497,976, dated May 23, 1893.

Application filed August 23, 1892. Serial No. 443,903. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM L. EISENGART, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Tops for Sheet-Metal Cans; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in sheet metal cans or vessels, and it has for its object to provide a can or vessel of this character adapted for repeated usage, and which will possess advantages in point of inexpensiveness and durability in construction, and general efficiency.

In the drawings—Figure 1 is a perspective view of a can embodying my invention, the cap being removed. Fig. 2 is a vertical central sectional view thereof with the cap applied. Fig. 3 is a top or plan view of the can. Fig. 4 is a bottom or inverted plan view of the cap. Fig. 5 is a detail sectional view.

Corresponding parts in the figures are denoted by the same letters of reference.

Referring to the drawings, A designates a sheet metal can or vessel, which may be of any suitable or preferred construction and is provided at its upper end with a permanent closure B. The latter is also constructed of sheet metal and formed at its edge with an annular, inverted V-shaped flange, *b*, which receives the upper edge of the can body and is crimped thereon. The flange *b* projects above the closure B, whereby the face of the latter is located in a plane below the extreme upper edge of the completed can. The closure B is also provided, preferably at its center, with a circular opening, *c*, which is surrounded by a downwardly-projecting, screw threaded flange, C. At the inner termination of the flange C is an auxiliary flange C' projecting inwardly therefrom. The flange C' is approximately U-shaped in cross-section, thus forming an annular groove, *c'*. Adjacent to the flange C, the closure B is provided with an annular depression forming a seat, D, the purpose for which will hereinafter appear. In practice, the flanges C and C' are struck

from the closure B, and are thus integral therewith.

E designates the cap, formed of sheet metal and circular in shape. This cap is provided with an annular, screw-threaded flange, F, of less diameter than said cap and depending therefrom. By this arrangement of the flange F, a flange, G, is formed at the periphery of the cap which, when the cap is applied to the can, is seated in the seat D with the upper surface of the cap flush with the corresponding surface of the closure B. At the free or lower end of the flange F is formed an inverted annular flange H, which is approximately U-shaped in cross-section, the flanges F, G and H being integral parts of the cap.

For the purpose of attaching or detaching the cap, the same is provided at its top with a diametrical groove or depression, I, struck therein, which is adapted to be engaged by a screw-driver or similar tool and turned thereby. In practice, a gasket, J, is interposed between the cap and the can, said gasket resting upon the flange C', and against which the flange H is adapted to be bound to render the can air-tight.

It will be noted that the closure or top B is pressed or molded into shape from a single piece of tin or corresponding sheet metal, with all its parts integral, and that the cap E is likewise pressed or molded from a single blank or piece of tin or corresponding sheet metal with all its component parts or elements integral, and that the groove or depression in the cap is simply struck therein. This is the construction I prefer to employ in the practical manufacture of this improved can-top, though it is obvious that under some conditions or circumstances some of the parts may be formed in separate pieces.

I have also herein shown the improved can-top constituting my present invention applied to a pressed seamless can body, but it will be obvious that it is adapted for use upon any general form or construction of can body. This pressed seamless body does not, therefore, form an essential element of the invention herein set forth, the same constituting subject matter for separate application for patent filed August 23, 1892, Serial No. 443,904.

I claim as my invention—

1. As an improved article of manufacture, a can or vessel proper; a sheet-metal closure secured to the top thereof and provided with an opening, a depending screw-threaded flange surrounding said opening, a depression or seat surrounding the flange, and with an inwardly-projecting, auxiliary flange formed at the lower, free edge of said flange, said flange being integral with the closure; and a cap provided with a depending screw-threaded flange of less diameter than the cap and forming an outwardly-projecting flange at the periphery of the latter adapted when the cap is applied to be seated in said depression or seat; substantially as and for the purpose set forth.

2. As an improved article of manufacture, a can or vessel proper; a sheet-metal closure secured to the top thereof and provided with an opening, a depending, screw-threaded flange surrounding said opening and integral with the closure, and with an auxiliary inwardly-projecting flange formed at the lower free edge of said flange, said auxiliary flange being approximately U-shaped in cross-section; and a cap provided with a depending, screw-threaded flange integral therewith, an inwardly-projecting flange formed at the

lower, free edge of said flange and approximately U-shaped in cross-section, and with a diametrical groove or depression; substantially as and for the purpose set forth.

3. The herein described improved top or cover for sheet metal cans or vessels, comprising the top or closure B having the opening c, the annular seat D and the flanges C and C'; and the cap E having the flange G and the flanges F and H and provided with the central groove or depression I; substantially as and for the purpose set forth.

4. As an improved article of manufacture, a top or cover for sheet metal cans or other vessels, comprising the top or closure B formed of a single piece of sheet metal and comprising the flange b, the seat D, and the flanges C and C'; and the cap E formed of a single piece of sheet metal and comprising the flange G, and the flanges F and H and the groove or depression I; substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM L. EISENGART.

Witnesses:

SAMUEL H. PULVER,
MORRIS POTNER.