

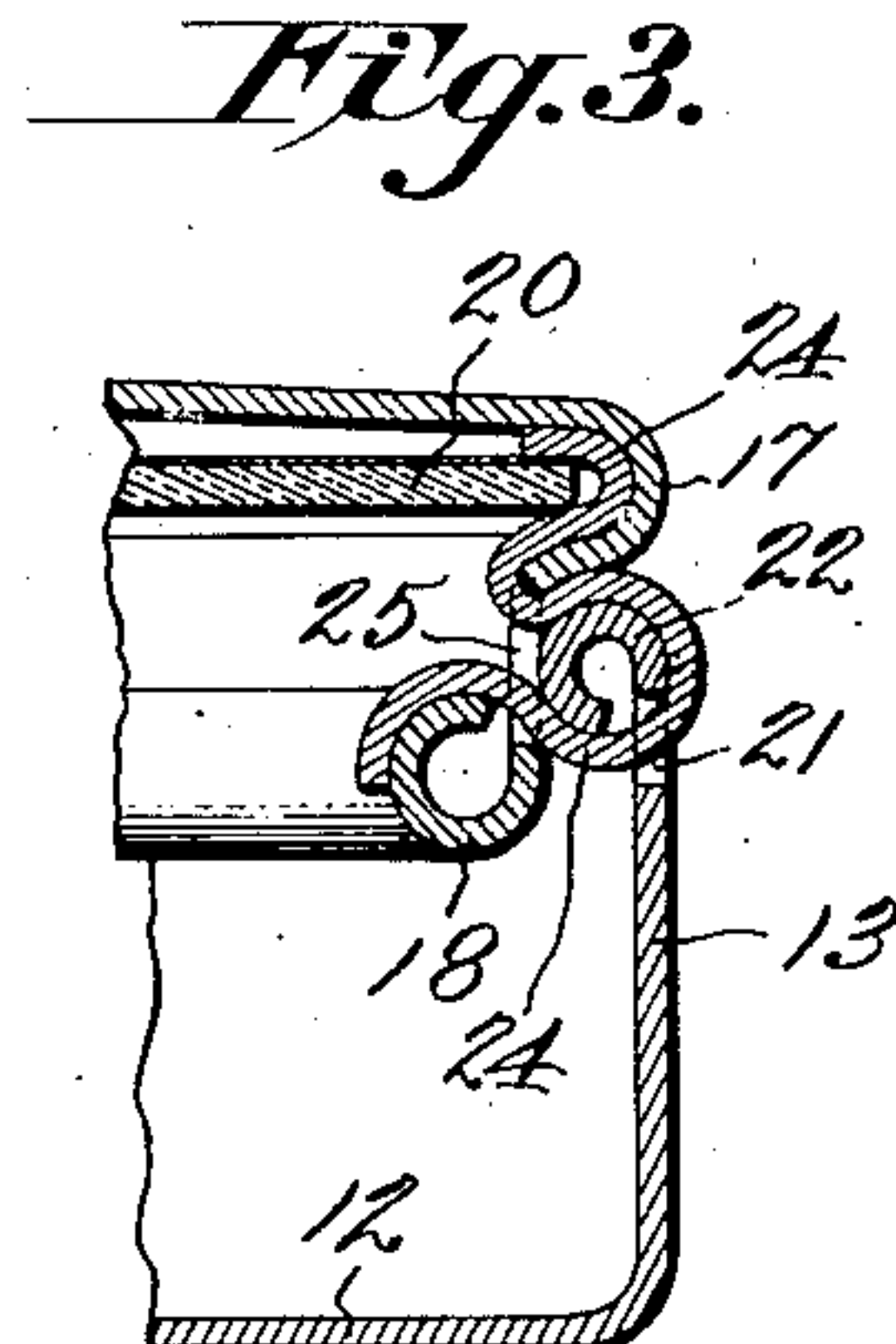
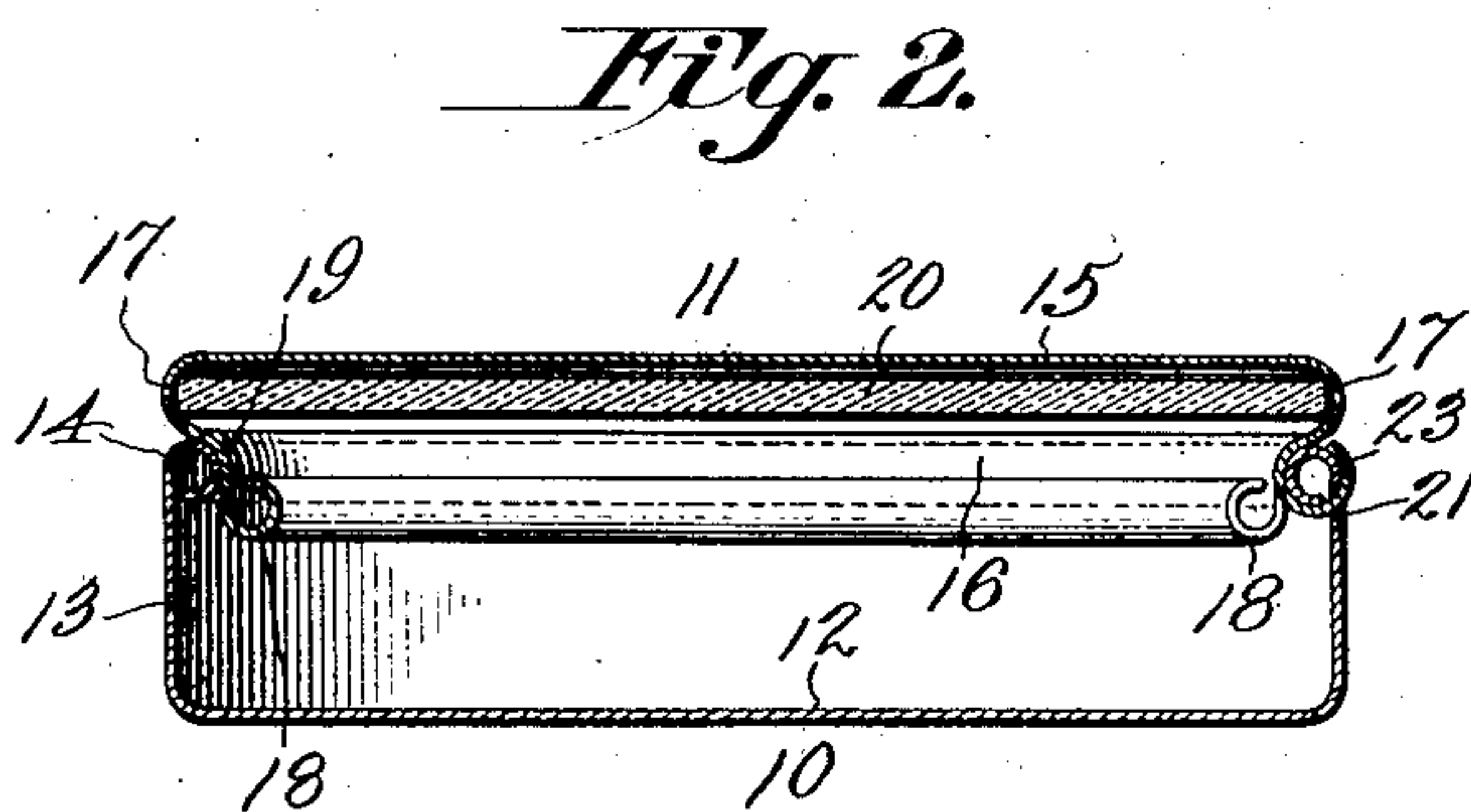
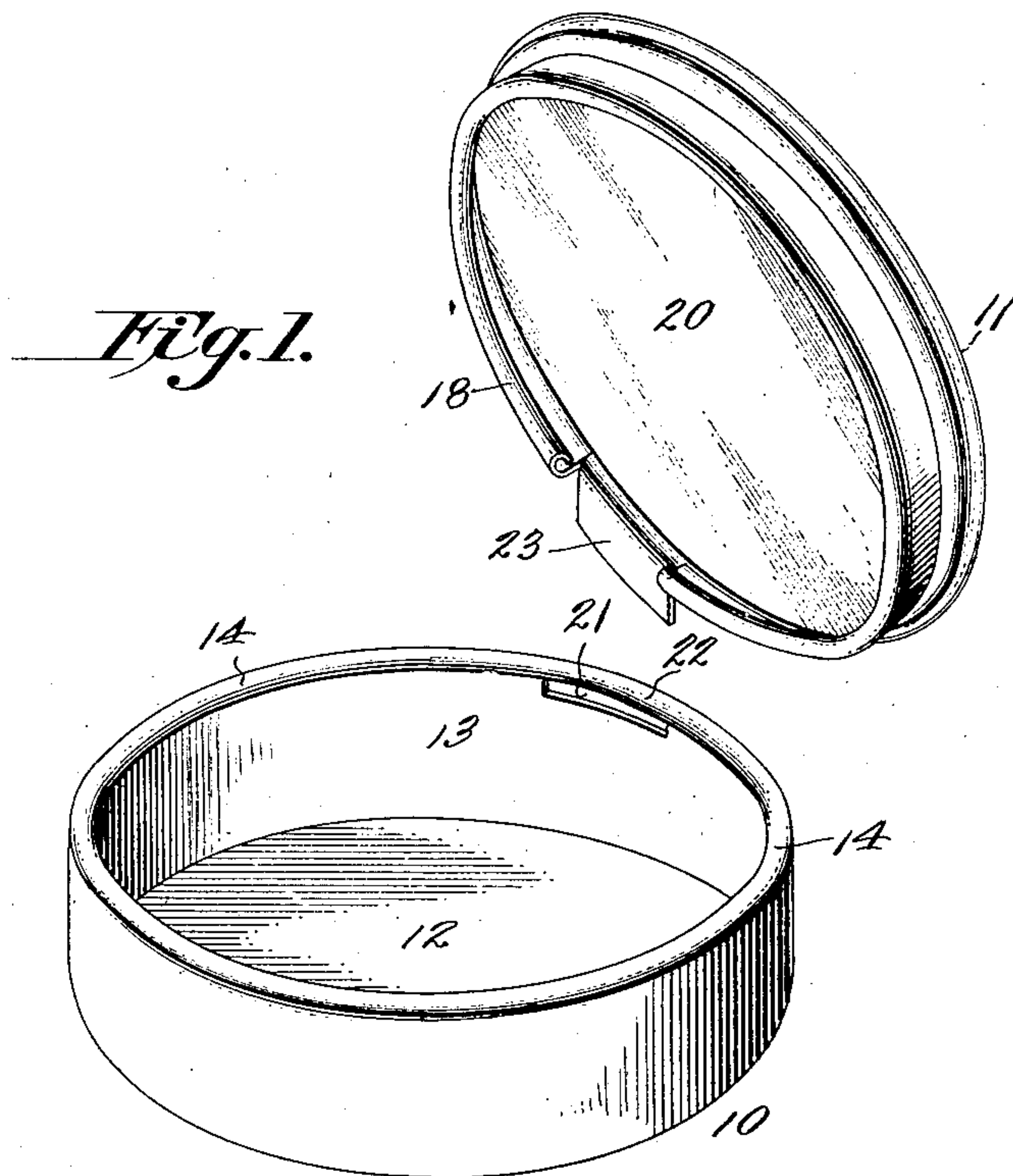
Nov. 18, 1924.

1,515,839

M. H. CONNOR

VANITY CASE

Filed Oct. 1, 1921



Inventor

Martha H. Connor,

By her Attorneys

Mayer, Cavanagh, Whitehead & Hyde.



Patented Nov. 18, 1924.

1,515,839

# UNITED STATES PATENT OFFICE.

MARTHA HALOWELL CONNOR, OF BALTIMORE, MARYLAND, ASSIGNOR TO THE TIN DECORATING COMPANY OF BALTIMORE, OF BALTIMORE, MARYLAND, A CORPORATION OF NEW JERSEY.

## VANITY CASE.

Application filed October 1, 1921. Serial No. 504,643.

*To all whom it may concern:*

Be it known that I, MARTHA HALOWELL CONNOR, a citizen of the United States, and resident of Baltimore, in the county of Baltimore and State of Maryland, have invented certain new and useful Improvements in Vanity Cases, of which the following is a specification.

This invention relates to receptacles and more particularly to the type of receptacles known as vanity cases or vanity boxes adapted for holding face powder or a rouge block together with a powder puff; and has special reference to the provision of a receptacle of this type of exceedingly simple construction in which the body and cover of the receptacle are constructed to be easily movable relative to each other and yet securely fit within each other to provide a strong, durable, sift-proof powder container.

The principal objects of my invention may be said to include, besides the provision of a receptacle of the nature referred to, the provision of a receptacle in which the box cover is constructed to fit within the box body and interlock therewith, the interlock being obtained by the relative arrangement and by the formation of the parts of the box; the provision of a receptacle in which the interlock is of a snap fit type, the parts interengaging in locked position to effect a sift-proof powder box construction; the further provision of a box or vanity case in which the cover and body are produced from sheet metal blanks and are formed by simple operations to effect a neat and attractive box structure with the elimination of all rough exterior and interior edges or points; the further provision of a box of this nature in which the mirror usually employed therewith and located in the cover may be inserted in the cover during the formation thereof to eliminate additional parts and subsequent assembling steps; and the still further provision of a vanity case in which the cover is hingedly connected to the box body with the utilization of suitable parts of the cover and body to form a strong and durable hinge box construction.

To the accomplishment of the foregoing and such other objects as may hereinafter appear, my invention consists in the elements and their relation one to the other, as hereinafter particularly described and sought to be defined in the claims, reference being had

to the accompanying drawings which show a preferred embodiment of my invention and in which:

Figure 1 is a perspective view of my improved box construction showing the cover detached from the body for purposes of illustration,

Figure 2 is a cross sectional view of the same showing the cover in closed position on the body, and

Figure 3 is a view of a modification.

The vanity case of my invention comprises essentially the box body 10 and the cover 11 associated therewith. One of the desiderata of my invention involves the provision of a vanity case in which the box body 10 and the cover 11 are constructed to fit snugly and securely within each other to form a sift-proof container which may be opened and closed with facility, the construction offering a smooth and neat exterior and interior finish, external and internal sharp corners or edges being eliminated to afford a box structure which may be handled with safety and comfort, the body and cover being produced with the fewest of operative steps. To these ends the box body 10 comprises a bottom 12 and side walls 13, the body being stamped or drawn from a blank of sheet material. The box body may be produced with any desired configuration or design, the present exemplification of my invention showing the said box body preferably formed with a circular cross sectional configuration. The top rim or margin of the body side walls 13 is turned or rolled inwardly to provide the body bead 14, the said body bead extending preferably circumferentially of the body side walls. The cover 11 comprises the top wall 15 and the side walls 16, the cover 11 being also preferably formed as by stamping or drawing the same from a sheet metal blank. The cover side walls 16, after the drawing operation, are turned inwardly as by crimping or spinning the same to form the peripheral flange 17, the lower rim of the cover side walls being also turned or rolled inwardly to provide the cover bead 18, these parts being so formed that the portion 19 intermediate the flange 17 and bead 18 assumes a concave configuration complementary to the convex configuration of the body bead 14 and adapted to surround or closely "hug" the same when the cover



is pressed into closed position on the body. The diameter of the outside wall of the bead 18 is substantially the same or very slightly larger than the diameter of the inside wall of the bead 14, the outside diameter of the flange 17 being preferably substantially the same as the outside diameter of the body walls 13 so that the periphery of the cover will not extend beyond the periphery of the body and will lie substantially flush therewith.

In this construction the body side walls are not only effectively strengthened by the marginal body bead 14, but the body bead 14 provides a closure member or element which resists outward thrusts or strains to a greater degree than the single walled formation of the side walls 13. Similarly, the cover side walls 16 are strengthened by the marginal bead 18 not only, but the bead 18 also provides a closure member or element which resists inward thrusts or strains to a greater degree than the single walled formation of the side walls 16 of the cover. With the provision of these resistant closure elements a construction is provided in which, when the cover is inserted in the box body, beads 14 and 18 mutually resist opposing thrusts, bead 18 passing bead 14 with a "snap" when the cover 11 is pressed inwardly, release of the opposing thrusts or strains when the bead 18 passes the bead 14 causing the beads to move slightly in opposition, with the result that the bead 14 is caused to snugly engage the interior concave portion 19 and the lower wall of the flange 17, the engagement taking place over a wide circumferential area. A snap interlock between body and cover is thus obtained, combined with a highly desired sift-proof closure between the body and cover, the interlock being obtained without the provision of any additional catches or interengaging teats and notches, as is the case with prior vanity case constructions, the sift-proof closure between body and cover being highly desired for a powder receptacle of the type here involved. Furthermore, the body and cap or cover are so marginally beaded as to obtain a construction offering a smooth and neat finish both exteriorly and interiorly, all sharp edges and corners being eliminated both exteriorly and interiorly, this construction having been found highly comfortable in use.

I prefer to provide the vanity case of my construction with the usual mirror in the box cover and to this end I provide the mirror 20 located in the cover 11. In order to eliminate the necessity of supplying additional elements for securing the mirror in position in the lid or cover, the mirror 20 is inserted in the cover in the setting-down operation and the side walls crimped or spun about the mirror, the walls of the pe-

ripheral flange 17, besides performing the function of coacting with the body bead 14 to limit the downward movement thereof, performs the additional function of providing means for confining and securing the mirror 20 in locked position.

Although the box of my invention may be made with the cover detachable, I prefer to provide a box structure in which the cover is hingedly connected to the box body. I have found that a strong, durable and easily operated hinge may be effected by utilizing a part of the body bead as a hinge pintle and to this end the body wall 13 is provided at a region below the circumferential bead 14 with a cut-out or slotted portion 21 adapted for receiving a complementary portion to form a hinge connection, the part 22 of the bead 14 above the slotted portion 21 forming a pintle bar for the said hinge connection. The multi-walled structure and the circular configuration of the beaded pintle bar 22 have been found highly advantageous as a pintle element, a strong and easily operable hinge connection being thereby effected.

In addition to utilizing the body bead as a hinge element, I prefer also to utilize part of the cover bead 18 as a complementary hinge element cooperating with the hinge pintle 22. In Figures 1 and 2 of the drawings, I show one form of the complementary hinge element in which part of the cover side wall 16 is cut to provide a tongue 23, the tongue 23 being curled in a direction opposite to the curl of bead 18, as clearly shown in Figure 2 of the drawings, the curled tongue 23 being inserted through the slot 21 of the body and being turned about to circumferentially engage the pintle bar 22, as clearly disclosed in said Figure 2 of the drawings. In Figure 3 of the drawings I show a modification of the hinge connection in which the circumferential bead 18 is retained as originally rolled, a separate strip of metal 24 being provided for effecting interengagement between the cover bead 18 and the body pintle bead 22. The strip 24 is provided with the loops and turns, as clearly shown in Figure 3, one end of the said strip being pressed against the inner walls of the flange 17, the central portion of the said strip being caused to encircle the bead 22, the other end of the said strip 24 being inserted in a slot 25 cut in the cover side wall 16 above the bead 18, the said last mentioned end of the strip 24 being turned about the bead 18 to encircle the same, as clearly shown in Figure 3 of the drawings. These hinge connections are thus made either with or without a separate metallic piece, both types of hinges providing a strong hinge connection between the body and the cover.

The use and operation of my improved vanity case structure will be fully apparent



from the above detailed description of the same. It will be apparent that I have provided a vanity case made up essentially of but two parts, a body and a cover, the parts being formed to provide a snap or resilient interlock, permitting easy opening and closing operations, and in which the interlock is provided by the formation of the parts, the parts being produced in a very few manufacturing operations. It will be further apparent that the parts are so formed and turned to provide a smooth exterior and interior finish for the box and to provide a sift-proof container presenting a neat and attractive appearance. It will be further understood that by providing the peripheral body bead turned about the enclosed mirror, that I am enabled to do away with additional securing means for confining the mirror in position, the assembling of the parts thus being also considerably facilitated, and that by providing a hinge connection formed about a portion of the body bead a durable, rigid and easily operated hinge connection between body and cover is effected not only, but that no additional hinge pieces are necessary to provide the desired connection, thus providing a vanity case structure with a very few parts, subject to a minimum of manufacturing steps while obtaining characteristics highly desired in a receptacle of this nature.

While I have shown my device in the preferred form, it will be obvious that many changes and modifications may be made in the structure disclosed without departing from the spirit of the invention, defined in the following claims.

I claim:

1. A receptacle comprising a box body having a side wall provided with an inwardly turned upper rim defining a body bead, a cap or cover therefor having a side wall provided with an inwardly turned lower rim defining a cover bead adapted to snap-fit within the body bead, and a mirror in said cover, the cover side wall being inturned and crimped about the said mirror for directly engaging and confining the same in locked position in the cover and for providing a peripheral cover flange overlying the body bead when the cover is in closed position on the body.

2. A receptacle comprising a box body having a side wall provided with an inwardly turned upper rim defining a body bead, a cap or cover therefor hingely connected thereto, having a side wall provided with an inwardly turned lower rim defining a cover bead adapted to snap-fit within the body bead and a mirror in said cover, the cover side wall being inturned and crimped about the said mirror for directly engaging and confining the same in locked position in the cover and for providing a peripheral

cover flange overlying the body bead when the cover is in closed position on the body.

3. A receptacle comprising a box body, a cap or cover therefore and a mirror contained in said cover, the cover including a side wall the side wall providing a peripheral cover flange the side wall being crimped or inturned about the marginal wall of said mirror for directly engaging and confining the latter in locked position in the cover and for providing a peripheral cover flange.

4. A receptacle comprising a box body having a side wall provided with an inwardly turned upper rim defining a body bead, a cap or cover therefore having a side wall provided with an inwardly turned lower rim defining a cover bead, the cover side wall being inturned to provide a peripheral flange for overlying the body bead, and a hinge connection between the box body and the cover, part of the body bead forming a pintle bar for the hinge and part of the cover bead cooperating with the pintle bar to effect the hinge connection.

5. A receptacle comprising a box body drawn from a single piece of sheet metal to provide a bottom and a side wall, the upper margin or rim of the side wall being rolled inwardly to provide a continuous circumferential body curl or bead, a cap or cover also drawn or stamped from a single piece of sheet metal to provide a top and a side wall, the cover side wall being turned inwardly to provide a peripheral flange, the lower rim of the cover side wall being rolled inwardly to provide a continuous circumferential cover curl or bead and a hinge connection between the box body and the cover, part of the body bead forming a pintle bar for the hinge and part of the cover bead cooperating with the pintle bar to effect the hinge connection.

6. A receptacle comprising a box body having a side wall provided with an inwardly turned upper rim defining a body bead, a cap or cover therefor having a side wall provided with an inwardly turned lower rim defining a cover bead adapted to snap-fit within the body bead, a mirror in said cover, the cover side wall being inturned and crimped about the said mirror for directly engaging and confining the same in locked position in the cover and for providing a peripheral cover flange overlying the body bead when the cover is in closed position on the body, and a hinge connection between the box body and the cover, part of the body bead forming a pintle bar for the hinge and part of the cover bead cooperating with the pintle bar to effect the hinge connection.

7. A receptacle comprising a box body and a cover therefor, the box body including a bottom and a side wall with the upper



end of the side wall intumed to provide a body bead, the cover including a top and a side wall with the lower rim of the side wall intumed to provide a cover bead and a  
 5 hinge connection between the cover and body, part of the body bead forming a pintle bar for the hinge and part of the cover bead forming a complementary hinge element coacting with said pintle bar.

10 8. A box comprising a body and a cover hinged thereto, each having an integral bead within the periphery thereof, said beads of a relative diameter and so spaced from the top and the bottom of the box as to snap  
 15 past each other when the cover is fitted to the box to interlock and hold the parts together, and to be concealed within the box, part of the body bead forming a pintle for

the hinge, and part of the cover bead forming a complementary hinge element cooperating with the pintle. 20

9. A box comprising a body and a cover, each having an integral bead within the periphery thereof, said beads of a relative diameter and so spaced from the top and the bottom of the box as to snap past each other when the cover is fitted to the box to interlock and hold the parts together, and to be concealed within the box, and a mirror seated within the cover the connection of  
 25 the bead with the cover being intumed upon the mirror edge to hold it in place. 30

Signed at Baltimore, in the county of Baltimore and State of Maryland, this 28th day of September, A. D. 1921.

MARTHA HALOWELL CONNOR.