

L. F. BRAND & F. C. GLADECK.
METALLIC PACKING AND SHIPPING CASE.
APPLICATION FILED SEPT. 30, 1911.

1,040,870.

Patented Oct. 8, 1912.

2 SHEETS—SHEET 1.

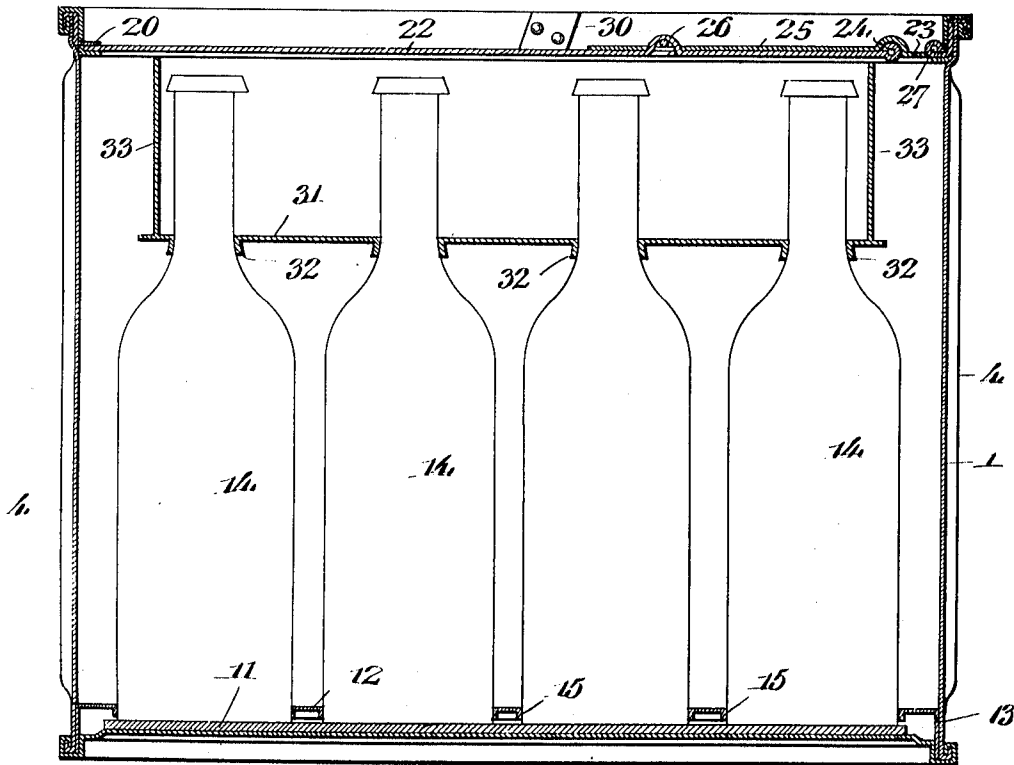


Fig. 1.

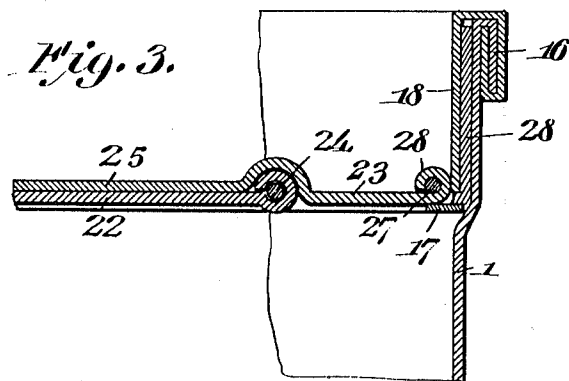


Fig. 3.

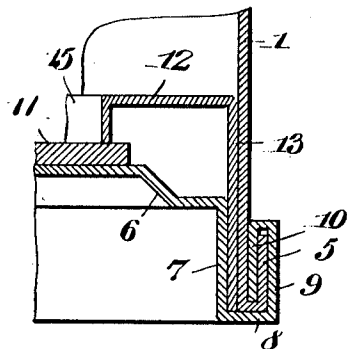


Fig. 4.

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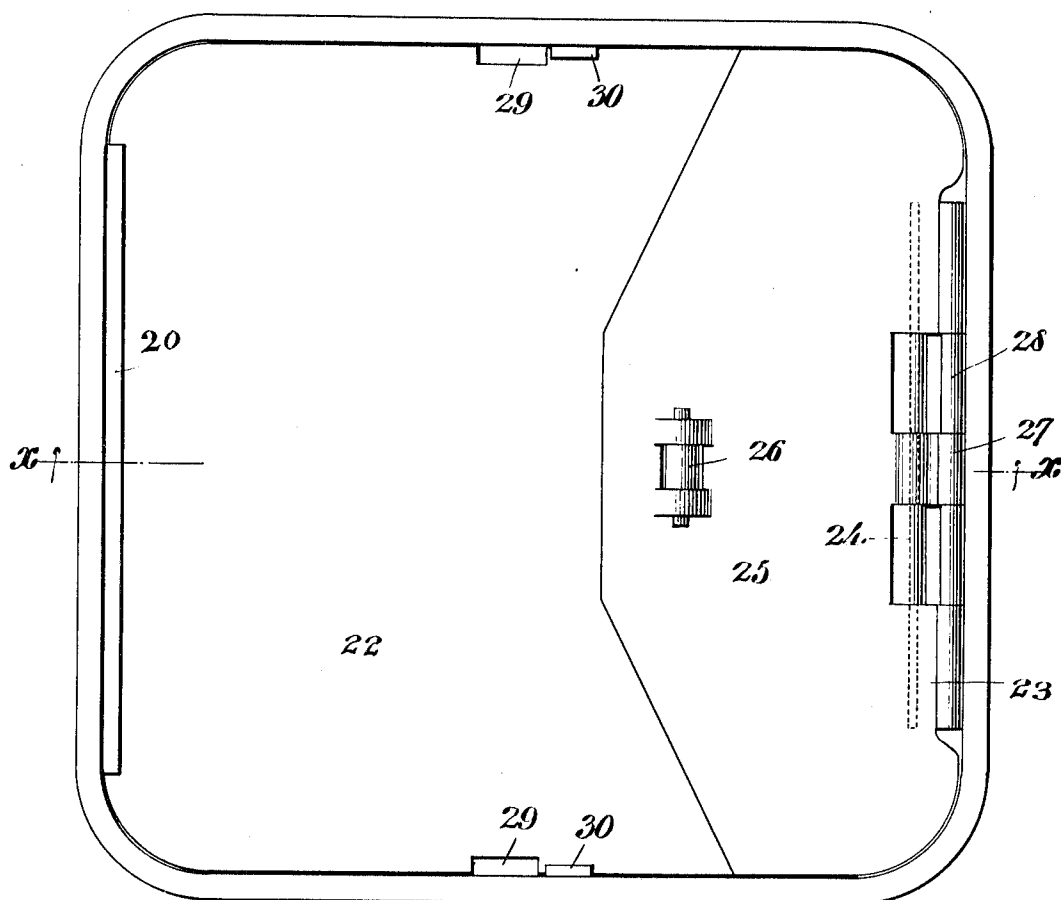


Fig. 2.

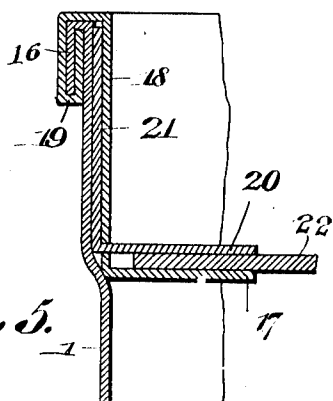


Fig. 5.

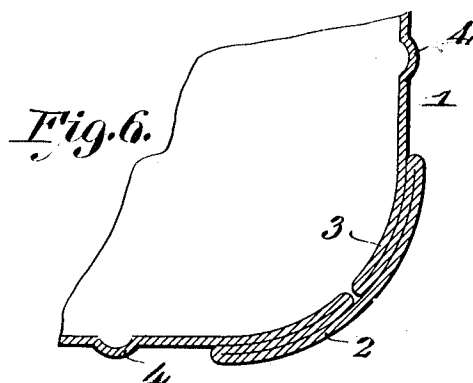


Fig. 6.

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UNITED STATES PATENT OFFICE.

LEONARD F. BRAND AND FREDERICK C. GLADECK, OF PHILADELPHIA,
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METALLIC PACKING AND SHIPPING CASE.

1,040,870.

Specification of Letters Patent.

Patented Oct. 8, 1912.

Application filed September 30, 1911. Serial No. 652,088.

To all whom it may concern:

Be it known that we, LEONARD F. BRAND and FREDERICK C. GLADECK, citizens of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented new and useful Improvements in Metallic Packing and Shipping Cases, of which the following is a specification.

10 The present invention provides an essentially stamped sheet metal case which may be used for shipping and packing bottles, jars, or like receptacles containing liquids or other commodity for consumption.

15 The invention provides a case which is reinforced so as to withstand hard usage and which will prevent any movement of the bottles, jars or like containers, said case having a cover which when closed may be secured against movement and made fast against casual opening.

20 The invention consists of the novel features, details of construction and combination of parts, which hereinafter will be more particularly set forth, illustrated in the accompanying drawings, and pointed out in the appended claims.

25 Referring to the drawings, forming a part of the specification, Figure 1 is a vertical section of a packing and shipping case embodying the invention, taken on the line $x-x$ of Fig. 2. Fig. 2 is a top plan view of the case. Fig. 3 is a sectional view of the cover and upper portion of the body of the case, showing the parts on a larger scale. Fig. 4 is an enlarged section, showing the joint formed between the body, the bottom and the bottom retainer. Fig. 5 is a detail view, showing more clearly the joint formed between the upper portion of the body of the case, the cover rest and the cover retainer. Fig. 6 is a horizontal section of a corner portion of the body of the case.

30 Corresponding and like parts are referred to in the following description, and indicated in all the views of the drawings, by the same reference characters.

35 The body of the case as indicated at 1 and its corners are made rounding and reinforced by double folds 2 and 3, with the result that three thicknesses of metal are had at each corner. The inner folds 3 come together. The outer folds 2 are located ex-

terior to the body. The portions are pressed outwardly from the body and extend in a vertical direction to form strengthening ribs 4. The lower edge of the body 1 has a portion bent outwardly and upwardly to form an outer fold or bend 5. The bottom 6 is elevated and its outer portion is bent downwardly at 7, outwardly at 8, thence upwardly at 9 and downwardly at 10, the folded portions 9 and 10 embracing the folded part 5 of the body. A filler 11 is placed upon the bottom 6 and forms a packing for supporting the bottles, jars or like receptacles. A retainer 12 is placed upon the filler 11 and has a pendent flange 13 which is confined between the downwardly-extending portion 7 of the bottom and the lower portion of the body 1. A series of openings are formed in the retainer 12 to receive the lower ends of the bottles 14 or like receptacles and flanges 15 are pendent from the retainer in line with the openings and encircle the bottles and rest upon the filler 11. The upper portion of the body 1 is bent outwardly, forming an outer fold 16. The rest for the cover comprises a horizontal part 17, a vertical portion 18 and an outer return folded portion 19, which receives the folded part 16 at the upper edge of the body. The cover rest extends completely around the upper edge of the body 1 and serves to stiffen and strengthen the same as well as to support the cover and insure a close joint between said cover and the case.

40 A cover retainer is located at the upper part of the front of the case and comprises a horizontal flange 20 and a vertical flange 21, the latter being confined between the upper portion of the body and the vertical part 18 of the cover rest. The horizontal flange 20 extends through a slot formed in the vertical part 18 of the cover rest near the end thereof. The horizontal portion 20 of the cover retainer is spaced from the horizontal portion 17 of the cover rest a distance to receive the front edge of the cover.

45 The cover comprises two sections 22 and 23 which are hingedly connected at 24, the section 23 having a portion 25 extending forwardly of the hinge joint 24 and forming a hasp to engage a staple 26 attached to the section 22. The section 23 is com-

paratively narrow and is provided for the sole purpose of imparting a longitudinal movement to the section 22, whereby its front end may clear the retainer 20 when opening or closing the section. The section 23 is hinged at 27 to a hinge member 28 which comprises a horizontal portion and a vertical portion, the vertical portion being confined between the part 18 of the cover rest and the upper portion of the body 1. The horizontal portion of the member 28 passes through a slot formed in the vertical part 18 of the cover rest. Notches 29 are formed in opposite edge portions of the section 22 to afford clearance for stops 30 located upon the inner side of the vertical portion of the cover rest. When the section 22 of the cover is moved forward to cause its front edge to pass under the horizontal portion 20 of the retainer the notches 29 are thrown out of register with the stops 30, the latter engaging edge portions of the sections 22 and holding the latter against vertical displacement.

The bottles 14 or like containers to be placed in the case for storing or transportation are supported upon the filler 11 and prevented from lateral movement by the flanges 15 surrounding the openings in the part 12. After the bottles have been placed in position a top retainer is dropped into position and consists of a plate 31 having openings through which the necks of the bottles pass, said openings having pendent flanges 32, which embrace the necks of the bottles. A rim 33 extends upwardly from the plate and engages the lower side of the cover, thereby preventing vertical movement of the plate and the bottles. When it is required to release the cover the forward end of the extension 25 of the cover section 23 is lifted, with the result that the section 22 is moved rearwardly, thereby withdrawing its front edge from beneath the horizontal portion 20 of the cover retainer and at the same time bringing the notches 29 in register with the stops 30, after which the cover may be turned upward and swung back out of the way upon the hinge joint 27, the latter also admitting of the cover, or the section 22 thereof, swinging close against the back of the case so as to be out of the way. After the case is filled the cover is swung so as to close upon the rest 17, after which the forward extension 25 is pressed down upon the section 22, thereby throwing the latter forwardly to bring its front edge beneath the cover retainer and at the same time throw the notches 29 out of register with the stops 30. A seal or lock may be fitted to the staple so as to secure the package and prevent tampering therewith.

From the foregoing description, taken in connection with the accompanying draw-

ings, the advantages of the construction and of the method of operation will be readily apparent to those skilled in the art to which the invention appertains, and while we have described the principle of operation of the invention, together with the device which we now consider to be the embodiment thereof, we desire to have it understood that the device shown is merely illustrative, and that such changes may be made when desired as are within the scope of the claims appended hereto.

Having thus described the invention what is claimed as new, is:—

1. A sheet metal case comprising a body having its upper edge portion folded, a cover rest comprising vertical and horizontal portions, the vertical portion having its upper part interlocking with the folded edge of the body, cover retainers at opposite sides of the body and comprising vertical and horizontal portions, the vertical portion being held between the body and the vertical portion of the cover rest and the horizontal portion passing through a slot in the vertical portion of said cover rest and extending over and spaced from the horizontal portion thereof, a cover supported upon the rest and comprising hingedly connected sections, said cover having its outer section engaging with the before mentioned cover retainers, and means for holding the cover sections in alinement.

2. A sheet metal case comprising a body having its upper edge portion folded, a cover rest comprising vertical and horizontal portions, the vertical portion having its upper part interlocking with the folded edge of the body, cover retainers at opposite sides of the body and comprising vertical and horizontal portions, the vertical portion being held between the body and the vertical portion of the cover rest and the horizontal portion passing through a slot in the vertical portion of said cover rest and extending over and spaced from the horizontal portion thereof, a cover supported upon the cover rest and comprising hingedly connected sections, said cover having its outer section engaging with the before mentioned cover retainers, and one of the sections having a part extended beyond the hinged joint formed between it and the adjacent section to overlie the latter, and means between the said extended part and the underlying section to secure them and hold the cover sections in alinement.

3. A sheet metal case comprising a body having its upper edge outwardly folded, a cover rest comprising vertical and horizontal portions, the vertical portion having a slot paralleling the horizontal portion and having a part extending over the upper edge of the body of the case and folded to form a lock joint with the folded edge of the

body, and a cover retainer comprising vertical and horizontal portions, the latter passing through the slot in the vertical portion of the cover rest, and the vertical portion of the retainer being confined between the upper part of the body and the vertical portion of the said cover rest.

In testimony whereof we affix our signatures in presence of two witnesses.

LEONARD F. BRAND.

FREDERICK C. GLADECK.

Witnesses:

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