

No. 812,175.

PATENTED FEB. 6, 1906.

I. J. MARCUSE.
SHEET METAL POCKET BOX.
APPLICATION FILED JULY 3, 1905.

Fig. 1

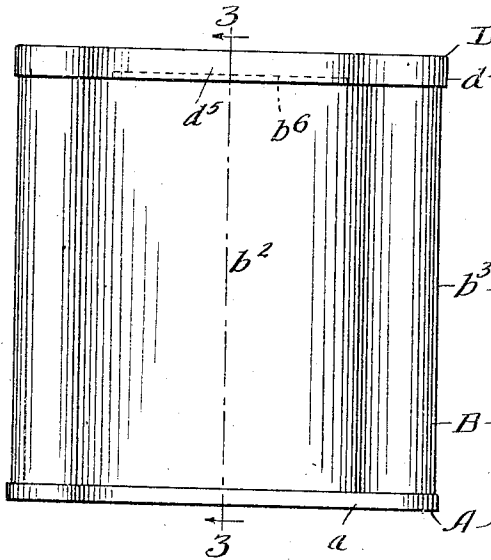


Fig. 2

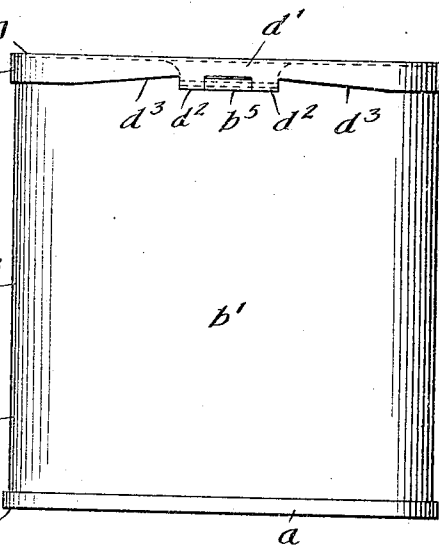


Fig. 3

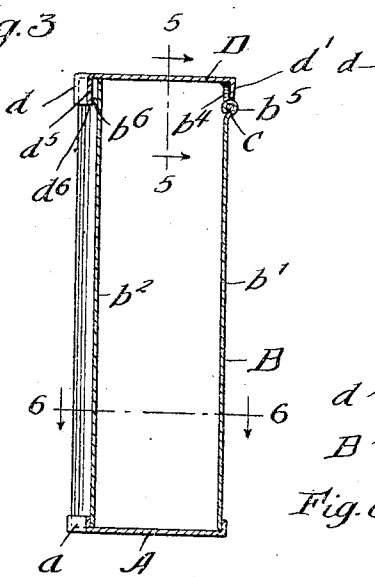


Fig. 4

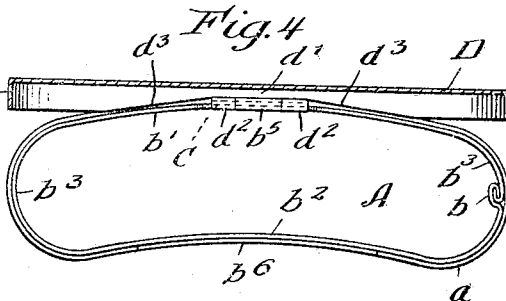


Fig. 5

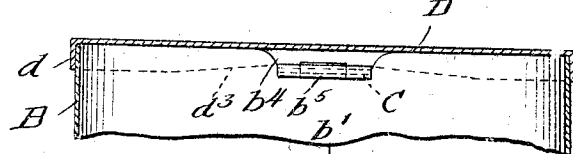
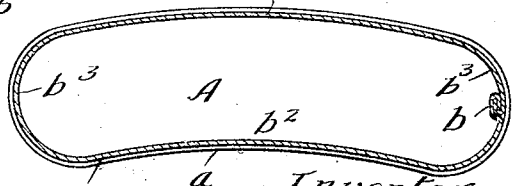


Fig. 6



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UNITED STATES PATENT OFFICE.

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SHEET-METAL POCKET-BOX.

No. 812,175.

Specification of Letters Patent.

Patented Feb. 6, 1906.

Application filed July 3, 1905. Serial No. 268,079.

To all whom it may concern:

Be it known that I, ISAAC J. MARCUSE, a citizen of the United States, residing in Richmond, in the county of Henrico and State of Virginia, have invented a new and useful Improvement in Sheet-Metal Pocket-Boxes, of which the following is a specification.

My invention relates to improvements in tin or sheet-metal boxes designed to be carried in the hip, breast, or other pocket for containing tobacco, cigars, or other articles.

The object of my invention is to provide a sheet-metal pocket-box of a neat, strong, and simple construction having a thin flat body curved or reniform in cross-section to adapt it to conform to the person and fit conveniently in the pocket and provided with a hinged cover at its upper end of similarly curved or reniform shape.

My invention consists in the means I employ and herein shown and described to practically accomplish this object or result—that is to say, it consists in a sheet-metal pocket-box comprising a curved or reniform bottom furnished with a flange for soldering, seaming, or otherwise securing it to the body, a curved or reniform body provided at its outwardly-curved back portion, at the upper end thereof, with a notch or recess to receive the hinge-lips of the cover, and with an integral hinge-lip to receive the hinge-pivot and at its concave or inwardly-curved portion, at the upper end thereof, with a stiffening-rib, preferably of wire, soldered thereto to strengthen and stiffen the concave or inwardly-curved front portion of the body at the upper end thereof and form a stop for the front portion of the flange of the hinge-cover to engage, and a curved or reniform cover having an integral flange adapted to fit over and embrace the upper end of the curved or reniform body and provided at the convex or outwardly-curved portion of its flange with integral hinge-lips to receive the hinge pin or pintle, the lower edge of the cover-flange at the back or outwardly-curved portion thereof being inclined or cut away to accommodate the outwardly-curved or convex portion of the body of the box to which the cover-flange is hinged when the cover is opened and the cover-flange is at right angles to the curved body of the box, thus enabling the hinged cover to open and close and

properly cooperate with the curved or reniform body of the box.

My invention also consists in the novel construction of parts and devices and in the novel combinations of parts and devices herein shown and described.

In the accompanying drawings, forming a part of this specification, Figure 1 is a front elevation of a tin or sheet-metal pocket-box embodying my invention. Fig. 2 is a back or rear elevation of the same. Fig. 3 is a vertical section on line 3 3 of Fig. 1. Fig. 4 is a top view showing the hinged cover open and in horizontal section. Fig. 5 is a partial vertical section on line 5 5 of Fig. 3, and Fig. 6 is a horizontal section on line 6 6 of Fig. 3.

In the drawings, A represents the lower or bottom head of the box, the same having an integral flange *a* soldered, seamed, or otherwise secured to the lower end of the box-body B and being of a curved or reniform outline.

B is the curved or reniform body of the box, the same being preferably formed in one piece of tin-plate shaped and united at its meeting edges by a lock-seam or other seam *b*, which may be soldered or not, as desired. The body of the box is made curved or reniform in shape and comparatively thin or flat in size to conform to the body and adapt it for being conveniently carried in the hip, breast, or other pocket. The rear or back wall or portion *b'* of the box-body is convex or outwardly curved, and its front wall or portion *b²* is concave or inwardly curved and preferably substantially parallel to the back wall or portion *b'*, and the intermediate or side walls or portions *b³ b³* of the box-body uniting the back and front walls *b' b²* are rounded, the curvature of the portions *b³ b³* being preferably substantially circular arcs and merging with the curvature of the back wall *b'* and front wall *b²* without forming any corners or sharp angles, thus giving the box-body a curved or reniform outline in cross-section and a thin flat shape with rounded side portions suitable for fitting or being carried in the pocket.

The curved or reniform body B is provided at its upper end and at its back or convex wall *b'* with a notch or recess *b⁴* to receive the hinge lips or ears of the cover-flange and with an integral hinge lip or ear *b⁵*, which is folded

or bent into cylindrical form to receive the pintle or pivot C of the hinge which unites the cover D to the body B. The hinge-cover D is of curved or reniform outline, corresponding to the cross-sectional outline of the body, and is provided with an integral flange d , which fits over, surrounds, and embraces the upper end of the box-body. The cover-flange d at its back or convex curved portion d' is furnished with integral hinge-lips d^2 d^2 , curved or folded into cylindrical form to receive the hinge pin or pintle C, and the back or convex portion d' of the cover-flange d has an inclined or cut-away lower edge d^3 to accommodate the convex or outwardly-curved back wall b' of the box-body when the cover is swung open and its flange thus caused to stand at right angles to the convex back wall b' of the box-body. It is this inclined or cut-away construction of the back or convex wall of the cover-flange which adapts it to be directly hinged to the convex or outwardly-curved back wall b' of the box-body and the curved or reniform hinge-cover to cooperate with the curved or reniform body of the box.

The curved or reniform box-body B is provided near its upper end, at its front inwardly-curved or concave wall b^2 , with a stiffening-rib b^3 , preferably of wire, soldered thereto, and which serves not only to stiffen and strengthen the inwardly-curved or concave front wall of the body, but also to form a stop or fastener for the front of the cover by its engagement with the front concave portion d^6 of the cover-flange d , the lower edge d^6 of the concave portion d^5 of the cover-flange d preferably engaging the rib b^3 on the concave portion of the body. At its lower end the inwardly-curved or concave front wall b^2 of the box-body is adequately stiffened and strengthened by its union with the bottom head A of the box.

As in my sheet-metal pocket-box the curved or reniform body is made, as before stated, of tin-plate or other equivalent flexible spring sheet metal, the hinged cover may be readily opened, as external pressure upon the concave front wall of the body tends to contract or loosen it within the flange of the cover.

I claim—

1. The sheet-metal pocket-box herein shown and described, and comprising a curved or reniform bottom head, a curved or reniform body secured at its lower end to said bottom head and having an inwardly-curved or concave front wall and an outwardly-curved or convex back wall, and rounded side walls uniting said front and back walls, said outwardly-curved or convex back wall having at the upper end thereof an integral hinge-lip and a recess to receive the hinge-lips of the cover-flange, and said concave or inwardly-curved front wall having a strengthening-rib near the upper end there-

of, and a curved or reniform hinged cover having an integral flange surrounding and snugly fitting the upper end of the box-body to hold the cover closed, the back convex curved portion of said cover-flange having an integral hinge-lip and being inclined or cut away to accommodate the convex or outwardly-curved back wall of the body and permit the hinged cover to open, the concave front wall of the body being free to spring inward under external pressure thereon and thus contract or loosen the body within the surrounding cover-flange to facilitate the opening of the hinged cover, substantially as specified.

2. A sheet-metal pocket-box having a reniform body with a convex back wall and concave front wall, and a hinged cover having a concave front flange and convex back flange hinged to the convex back wall of the body, said hinged convex portion of the cover-flange being inclined or cut away to permit the cover to open, the flange of the cover surrounding and snugly fitting the upper end of the body to hold the cover closed, and the concave front wall of the body being free to spring inward and thus contract or loosen the upper end of the body within the cover-flange to facilitate the opening of the hinged cover, substantially as specified.

3. In a sheet-metal pocket-box, the combination with a curved or reniform body, having a convex back wall and concave front wall, of a hinged cover having a flange concave at its front portion and convex at its rear portion, the flange of the cover surrounding and snugly fitting the upper end of the body to hold the cover closed, and the concave front wall of the body being free to spring inward and thus contract or loosen the upper end of the body within the cover-flange to facilitate the opening of the hinged cover, substantially as specified.

4. In a sheet-metal pocket-box, the combination with a curved or reniform body, having a convex back wall and concave front wall, of a hinged cover having a flange concave at its front portion and convex at its rear portion, the convex wall of the body having an integral hinge-lip at the upper end thereof, and the convex portion of the cover-flange having integral hinge-lips for pivotally connecting the same to the body of the box, the flange of the cover surrounding and snugly fitting the upper end of the body to hold the cover closed, and the concave front wall of the body being free to spring inward and thus contract or loosen the upper end of the body within the cover-flange to facilitate the opening of the hinged cover, substantially as specified.

5. In a sheet-metal pocket-box, the combination with a curved or reniform body, having a convex back wall and concave front wall of a hinged cover having a flange con-

cave at its front portion and convex at its rear portion, the convex wall of the body having an integral hinge-lip at the upper end thereof, and the convex portion of the cover-flange having integral hinge-lips for pivotally connecting the same to the body of the box, said convex portion of the cover-flange being inclined or cut away to accommodate the convex curvature of the back wall of the body, the flange of the cover surrounding and snugly fitting the upper end of the body to hold the cover closed, and the concave front wall of the body being free to spring inward and thus contract or loosen the upper end of the body within the cover-flange to facilitate the opening of the hinged cover, substantially as specified.

6. In a sheet-metal pocket-box, the combination with a curved or reniform body, having a convex back wall and concave front wall, of a hinged cover having a flange concave at its front portion and convex at its rear portion, the convex wall of the body having an integral hinge-lip at the upper end thereof, and the convex portion of the cover-flange having integral hinge-lips for pivotally connecting the same to the body of the box, said convex portion of the cover-flange being inclined or cut away to accommodate the convex curvature of the back wall of the body, the concave front wall of the body being provided with a strengthening-rib at the upper end thereof, the flange of the cover surrounding and snugly fitting the upper end of the body to hold the cover closed, and the concave front wall of the body being free to spring inward and thus contract or loosen the upper end of the body within the cover-flange to facilitate the opening of the hinged cover, substantially as specified.

7. In a sheet-metal box, the combination with a curved or reniform body composed of tin-plate or other flexible elastic sheet metal and having a convex back wall and concave front wall, of a hinged cover having a flange concave at its front portion and convex at its back portion, and surrounding and snugly engaging the upper end of the body to hold the cover closed, the inward spring of the concave front wall of the body under pressure serving to contract or loosen the body within the cover-flange and permitting the hinged cover to swing open, substantially as specified.

8. In a sheet-metal pocket-box, the combination with a reniform body of tin-plate having a concave front wall and convex back wall, of a hinged cover having a flange concave at its front portion and convex at its rear portion and surrounding and engaging the upper end of the body, the concave front wall of the tin-plate body being free to spring inward under external pressure to contract or loosen the upper end of the body within the cover-flange, substantially as specified.

9. In a sheet-metal pocket-box, the combination with a curved or reniform body composed of flexible spring sheet metal and having a concave front wall, of a cover having a flange surrounding and engaging the upper end of the body, the cover-flange being concave at its front portion, the inward spring of the concave front wall of the body serving to contract or loosen the body within the cover-flange to facilitate the opening of the cover, substantially as specified.

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