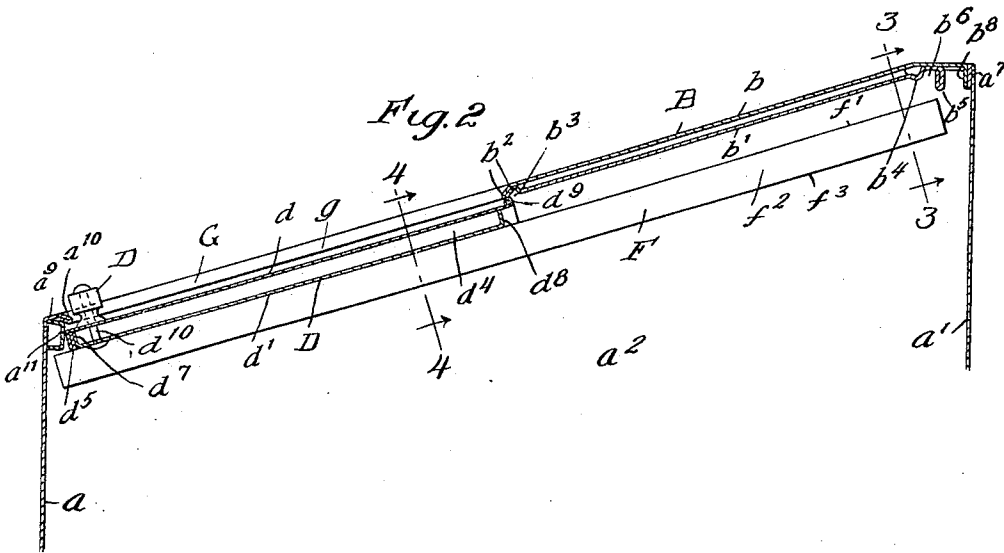
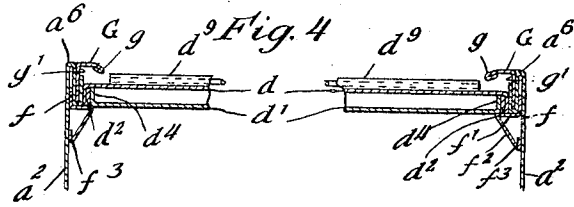
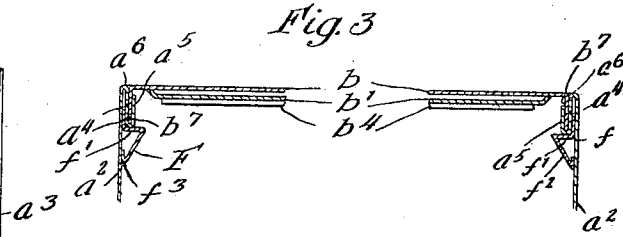
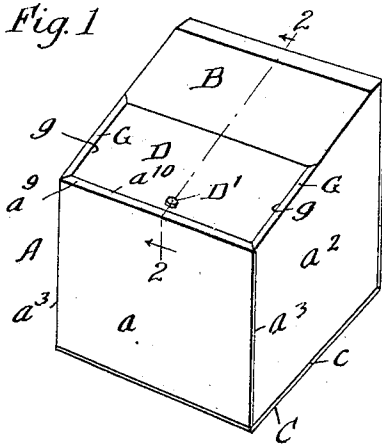


No. 830,050.

PATENTED SEPT. 4, 1906.

E. W. CARNES.
SHEET METAL CADDY FOR COFFEE, &c.
APPLICATION FILED NOV. 2, 1905.



Witnesses:

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UNITED STATES PATENT OFFICE.

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SHEET-METAL CADDY FOR COFFEE, &c.

No. 830,050.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDWARD W. CARNES, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Sheet-Metal Caddies for Coffee and other Articles, of which the following is a specification.

My invention relates to improvements in the construction of sheet-metal caddies, such as are commonly employed for holding and dispensing coffee and other articles.

The object of my invention is to provide a sheet-metal coffee-caddy of a neat, strong, simple, and durable construction and adapted to be easily opened and closed as required in dispensing coffees therefrom.

My invention consists in the means herein shown and described, which I employ to accomplish this result, as more particularly set forth in the claims.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of a coffee-caddy embodying my invention. Fig. 2 is an enlarged detail vertical section on line 2 2 of Fig. 1. Figs. 3 and 4 are enlarged detail sections on lines 3 3 and 4 4, respectively, of Fig. 2.

In the drawings, A represents the rectangular body of the caddy, the same comprising a front plate a , back plate a' , and side plates a^2 , the same being connected at their horizontal or bottom edges to the bottom plate C by suitable folded or soldered seams c and united together at the upright corners of the caddy by suitable folded or soldered seams a^3 .

B is the double hollow inclined top plate of the caddy, the same comprising an upper member b and a lower member b' , united at their lower edge by flanges b^2 , extending at an angle to the general plane of the double top plate B, and thus forming a transverse recess or groove b^3 near the lower edge of the double top plate B. The lower member b' of the double inclined top plate B is also furnished with a transversely-extending downwardly-projecting bead b^4 and fold b^5 , which together form a transverse groove or recess b^6 between them to serve as a lock or stop for holding the inclined sliding door D in its retracted or open position.

The upper member b of the double hollow

inclined top plate B is provided at its side edges with integral flanges b^7 , which are embraced between the folds a^4 a^5 of the flanges a^6 on the upright sides a^2 of the caddy-body, thus firmly securing the inclined top B to the side plates a^2 of the body. The inclined double hollow top B of the caddy is rigidly and firmly secured to the back plate a' by a flange b^8 , which is soldered or otherwise secured to the cooperating flange a^7 at the upper end of the back plate a' .

F F are lower guides for the sliding door D, each being firmly and rigidly secured to the upright side plates a^2 of the caddy-body by an integral upright flange f thereon, which fits between the upright side plate a^2 and the downward fold or flange a^4 thereon. The sheet-metal guides F each have a horizontal member f'' and angle or brace member f''^2 , furnished with a fold or flange f''^3 , which is soldered or otherwise secured to the side plates a^2 . The inclined double hollow top B serves as an upper guide for the sliding door D at the upper back portion of the caddy.

G G are upper guides for the sliding door at the lower or front portion of the caddy. These upper guides G are, like all the other pieces of the caddy, made of sheet metal or tin-plate and are furnished with an integral fold or flange g at their inner sides to strengthen the same and afford smooth edges for the opening closed by the sliding door. Each of these sheet-metal guides G is furnished with a downwardly-projecting right-angle flange g' , which is embraced between the folds or flanges a^4 a^5 at the upper ends of the side plates a^2 , thus firmly and rigidly securing the sheet-metal guides to the side plates of the caddy. The upright front plate a of the caddy-body is furnished at its upper end with an inwardly-projecting flange a^9 , which is furnished with a fold a^{10} at its inner edge to give a smooth finish to the opening in the caddy which is closed by the sliding door D. The front plate a of the caddy-body is also furnished at its upper end with a hollow strengthening-rib a^{11} , which I prefer to form in a separate piece from the front plate a and which is secured thereto by soldering. The folded edge a^{10} of the flange a^9 projects inwardly beyond the hollow rib a^{11} and against which rib the lower end of the sliding door abuts. The folded edge or lip a^{10} thus pro-

jects over the lower end of the sliding door, and thus serves as a keeper for the lower end of the door.

The sliding door D is of a double hollow construction and comprises an upper plate or member d and a lower one d' . The upper plate d is furnished at its side edges with angle flanges or folds d^2 , to which are secured the angle-flanges d^4 at the side edges on the lower plate d' . At the lower end of the double hollow door the upper plate d is furnished with angle flanges or folds d^5 , to which is secured by soldering or otherwise the end flange d^7 at the lower edge of the lower plate d' . The lower plate d' has at its upper end or edge a flange d^8 , which is soldered to the upper plate d . The two plates of the double hollow door are thus securely united together, so that they mutually stiffen and strengthen each other and so that the door is provided with smooth and stiffened edges at both sides and at its front or lower end. The upper plate d of the door is furnished at its upper end with a curved flange or roll d^9 , forming an upwardly-projecting shoulder at the upper end of the door, which is adapted to ride under the curved bead or cam-like shoulder b^4 near the upper end of the inclined double hollow top B of the caddy and fit in the transverse groove b^6 , and thus hold the door in its open position when it is desired to scoop coffee out of the caddy in dispensing the same. The groove or recess b^3 and the angle-fold b^2 at the lower end of the double inclined top B also serves, in connection with the shoulder d^9 on the door, to form an approximately tight closure at the upper end of the door. The sliding door D is provided with a knob D' , secured thereto by a pin or rivet d^{10} for convenience in opening and closing the door.

I claim—

1. In a sheet-metal caddy for coffee or other articles, the combination with the upright body-plates, of a double hollow inclined top having transversely-extending grooves and shoulders on its under side at its upper and lower ends, lower and upper guides for a sliding door secured to the upright side plates of the caddy-body, and a double hollow sliding door having a transversely-extending upwardly-projecting shoulder at its upper end adapted to engage the downwardly-projecting shoulders on the under side of the double inclined top to hold the sliding door in its opened or closed position, and at the same time permit the door to be readily opened and closed, substantially as specified.

2. In a sheet-metal caddy for coffee or other articles, the combination with the upright body-plates of a double hollow inclined top having a transversely-extending shoulder on its under side at its upper end, upper and lower guides for a sliding door secured to the upright side plates of the caddy-body

and a double hollow sliding door having at its upper end an upwardly-projecting shoulder adapted to engage said downwardly-projecting shoulder on said inclined top of the caddy to hold the door in its open position, substantially as specified.

3. In a caddy, the combination with an inclined top having a downwardly-projecting shoulder near the upper end thereof, of a sliding door having an upwardly-projecting shoulder near the upper end thereof adapted to engage said shoulder on the inclined top to hold the door in its open position, and upper and lower guides for the sliding door, substantially as specified.

4. In a sheet-metal caddy, the combination with the upright side plates a^2 having flanges a^6 and folds $a^4 a^5$, of an inclined top having side flanges b^7 fitting between said folds $a^4 a^5$, and lower guides F having flanges f' fitting between said upright sides a^2 and the integral folds a^4 thereof, substantially as specified.

5. In a sheet-metal caddy, the combination with upright side plates a^2 having flanges a^6 and folds $a^4 a^5$, of an inclined top having side flanges b^7 fitting between said folds $a^4 a^5$, and lower guides F having flanges f' fitting between said upright sides a^2 and the integral folds a^4 thereof, and upper guides G having flanges g' fitting between said folds $a^4 a^5$ of said side plates a^2 , substantially as specified.

6. In a sheet-metal caddy, the combination with upright side plates a^2 having flanges a^6 and folds $a^4 a^5$, of an inclined top having side flanges b^7 fitting between said folds $a^4 a^5$, and lower guides F having flanges f' fitting between said upright sides a^2 and the integral folds a^4 thereof, and a sliding door fitting and reciprocating upon said guides F, substantially as specified.

7. In a sheet-metal caddy, the combination with upright side plates a^2 having flanges a^6 and folds $a^4 a^5$, of an inclined top having side flanges b^7 fitting between said folds $a^4 a^5$, and lower guides F having flanges f' fitting between said upright sides a^2 and the integral folds a^4 thereof; and upper guides G having flanges g' fitting between said folds $a^4 a^5$ of said side plates a^2 , and a sliding door fitting and reciprocating between said lower guides F and upper guides G, substantially as specified.

8. In a sheet-metal caddy, the combination with upright side plates a^2 having flanges a^6 and folds $a^4 a^5$, of an inclined top having side flanges b^7 fitting between said folds $a^4 a^5$, and lower guides F having flanges f' fitting between said upright sides a^2 and the integral folds a^4 thereof, and upper guides G having flanges g' fitting between said folds $a^4 a^5$ of said side plates a^2 , and a sliding door, said sliding door having at its upper end an upwardly-projecting transversely-extending shoulder, and said inclined top having at its

upper end a downwardly-projecting transversely-extending shoulder to engage said shoulder on said sliding door and hold said door in its open position, substantially as specified.

9. In a sheet-metal caddy, the combination with the upright side plates a^2 having flanges a^6 and folds $a^4 a^5$, of a double hollow inclined top having depending side flanges b^7 , upper guides G having depending flanges g' , said flanges $b^7 g'$ fitting between said folds $a^4 a^5$, lower guides F having flanges f' fitting between said sides a^2 and the integral folds a^4 thereof, said double hollow inclined top having a downwardly-projecting transversely-extending bead b^4 at the upper end thereof, and a double hollow sliding door D having an upwardly-projecting transversely-extending roll or shoulder d^9 at the upper end thereof, substantially as specified.

10. In a sheet-metal caddy, the combination with the upright side plates a^2 having flanges a^6 and folds $a^4 a^5$, of a double hollow inclined top having depending side flanges b^7 , upper guides G having depending flanges g' , said flanges $b^7 g'$ fitting between said folds $a^4 a^5$, lower guides F having flanges f' fitting between said sides a^2 and the integral folds a^4

thereof, said hollow inclined top having a downwardly-projecting transversely-extending bead b^4 at the upper end thereof, and a double hollow sliding door D having an upwardly-projecting transversely-extending roll or shoulder d^9 at the upper end thereof, said inclined top having also a downwardly-projecting fold b^5 , substantially as specified.

11. In a sheet-metal caddy, the combination with upright side plates a^2 having flanges a^6 and folds $a^4 a^5$, of double hollow inclined top having depending side flanges b^7 , upper guides G having depending flanges g' , said flanges $b^7 g'$ fitting between said folds $a^4 a^5$, lower guides F having flanges f' fitting between said sides a^2 and the integral folds a^4 thereof, and a double hollow sliding door D having an upwardly-projecting transversely-extending roll or shoulder d^9 at the upper end thereof, said inclined top having also a downwardly-projecting fold b^5 at its upper end, and inclined flanges b^2 at its lower end, substantially as specified.

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Witnesses:

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