(No Model.) 2 Sheets—Sheet 1.

H. MACARTHY.

SHEET METAL SATCHEL.

No. 525,848. Patented Sept. 11, 1894.

Fig. 2.

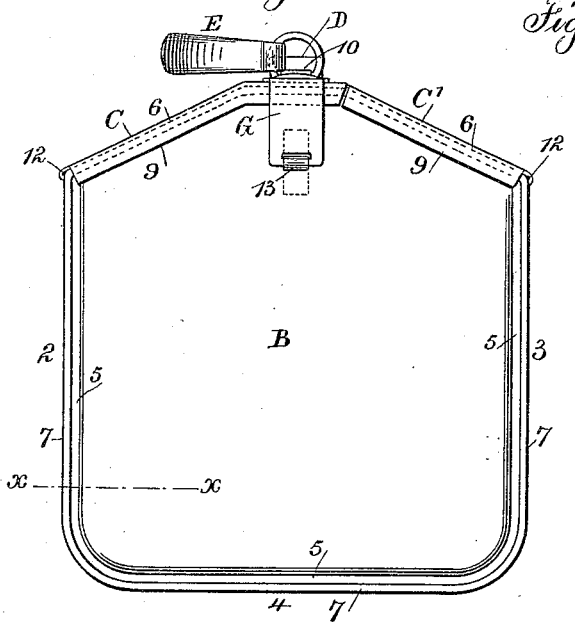


Fig. 3.

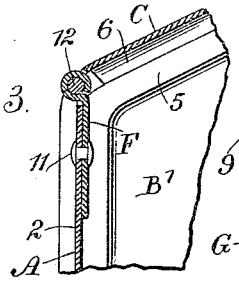


Fig. 4.

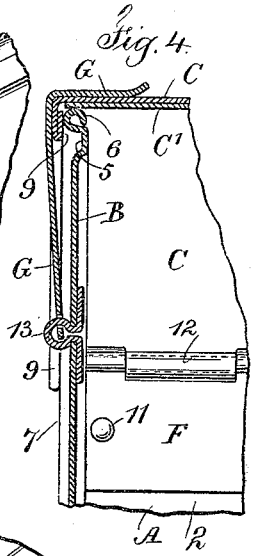


Fig. 5.

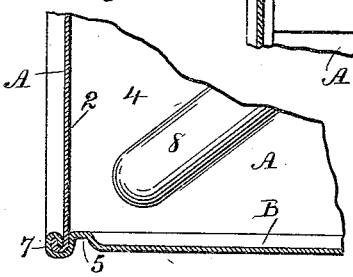
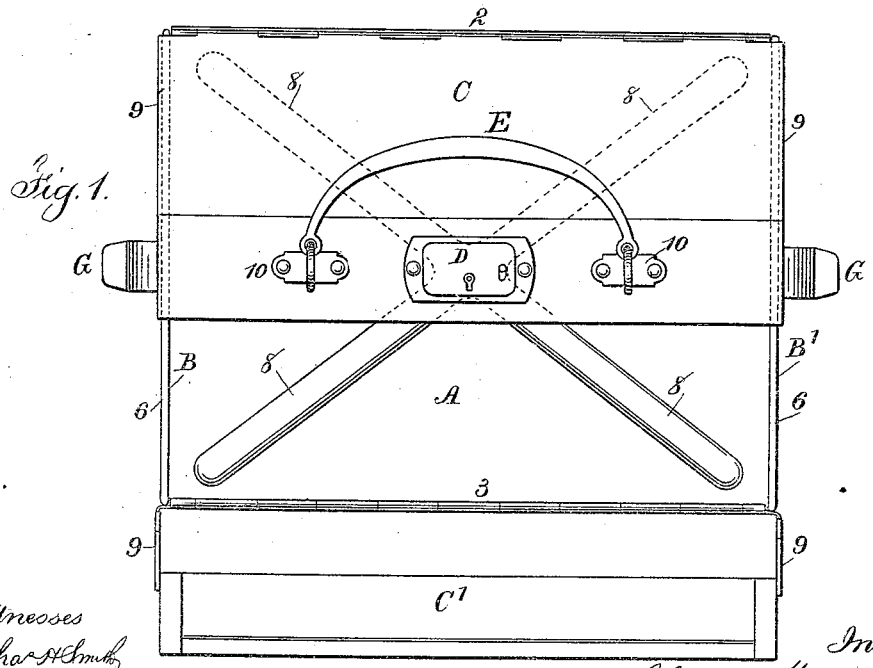


Fig. 1.



Witnesses
Chas. H. Smith
J. Stail

Inventor
Henry Macarthy
per Samuel W. Serrell
Atty.

(No Model.)

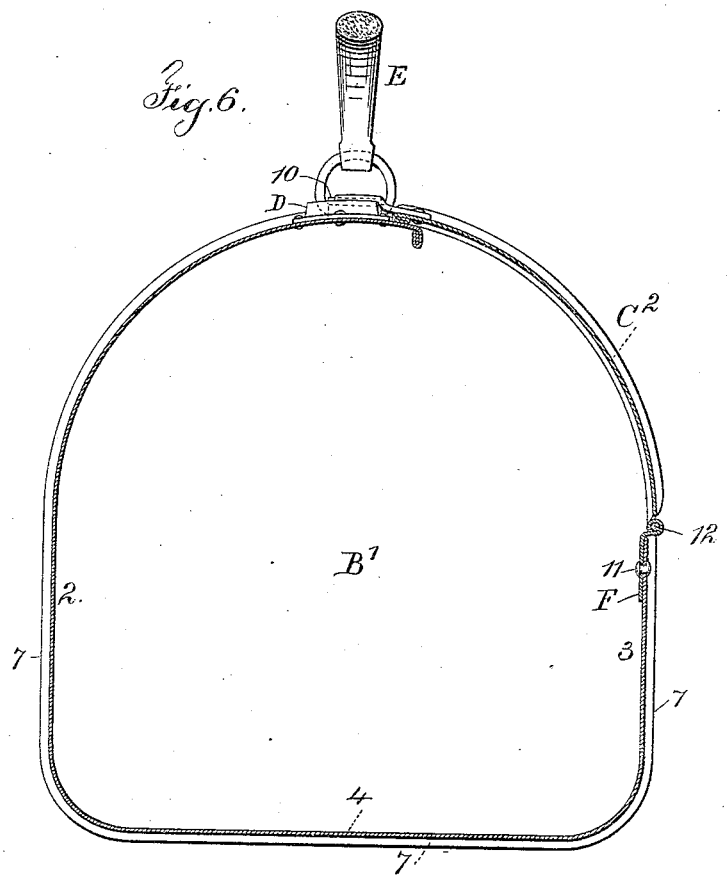
2 Sheets—Sheet 2.

H. MACARTHY.

SHEET METAL SATCHEL.

No. 525,848. Patented Sept. 11, 1894.

Fig. 6.



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UNITED STATES PATENT OFFICE.

HENRY MACARTHY, OF NEW YORK, N. Y., ASSIGNOR TO S. A. ILSLEY & CO., OF SAME PLACE.

SHEET-METAL SATCHEL.

SPECIFICATION forming part of Letters Patent No. 525,848, dated September 11, 1894.

Application filed July 14, 1894. Serial No. 517,562. (No model.)

To all whom it may concern:

Be it known that I, HENRY MACARTHY, a citizen of the United States, residing in the city, county, and State of New York, have invented an Improvement in Sheet-Metal Satchels, of which the following is a specification.

Hand satchels are extensively employed, of an approximately square shape with the handle upon the top. These have usually been made of leather or canvas and are flexible.

The present improvement is made with special reference to the packing and transportation of such articles as tobacco and other materials that require to be kept from moisture and in which it is desirable to utilize the package containing such materials after they have been emptied from the same, but the present improvement is also available in the construction of satchels for lunch or dinner and used by workmen and others.

In the construction of sheet metal boxes or similar articles difficulty has been experienced in connecting the respective parts in such a manner that the ornamental surfaces of the tin or other sheet metal properly come upon the exterior surface without being injured by the use of solder, and difficulty has also arisen in obtaining the necessary strength at the different parts of the structure.

My present invention relates to a sheet metal satchel having the peculiarities hereinafter described and claimed.

In the drawings, Figure 1 is a plan view. Fig. 2 is an end elevation. Fig. 3 is a cross section at one of the hinges. Fig. 4 is a vertical section through one of the ends. Fig. 5 is a section at the line *x x*, Fig. 2, and Fig. 6 is a vertical section of a modified form. Figs. 3, 4, and 5 are on an enlarged scale.

The sheet of metal A forms the sides 2 and 3 and the bottom 4 of the satchel, and the ends B B′ are also of sheet metal and they are stamped up with a recess 5 around the end and near the edges, and the sheet is folded over at 6 at the top edges of the ends so as to imitate a wire or to receive a wire, and the corners 7 are double seamed so as to connect the sheet metal of the ends B B′ with the sheet A forming the sides and bottom of the satchel, and the bottom 4 of the satchel is stiffened by crossing ribs, as shown at 8. By this construction the sides, bottom and ends are reliably and rigidly connected together without the use of solder, and the satchel is given an ornamental appearance somewhat approximating that of satchels made of leather. The satchel is provided with one or two covers, and these parts are either bent, as represented in Figs. 2 and 3, or made in the form of a segment of a cylinder, as seen in Fig. 6, and the covers C C′, Figs. 1, 2, and 4, have flanges 9 that set down outside of the ends B B′ at the top edges thereof, and the swinging edge of the cover C′ comes under the edge of the cover C in closing the satchel, and any suitable fastening device may be employed. I have represented a lock at D, and the handle E is connected to the cover C by loops 10 fastened upon the cover. It is difficult to connect the sheet metal of the covers with the top edges of the sides 2 and 3 in an ornamental manner and at the same time to obtain sufficient strength without disfiguring the ornamentation upon the surfaces of the sheet metal. I have found that by employing the hinge bars F that are riveted at 11 to the sides and within the top edges thereof, I am enabled to construct a hinge for the flap and to stiffen the parts in the most reliable manner, and with this object in view the ornamental surface of the hinge bar F is brought into contact with the interior surfaces of the sides 2 and 3, and the top edge of the hinge bar is notched so as to form tongues that are wrapped around the hinge wire 12, the sheet metal being passed up outside of the hinge wire 12 and turned over inwardly, so that the ornamental surface of the sheet metal of the hinge bar is thus brought outwardly and the ends of the tongues are brought inwardly and hence there is nothing upon the exterior of the hinge to become bent or to catch in the clothing of the person carrying the satchel.

The intermediate tongues of the hinge that are formed by cutting the sheet metal at the lower edges of the cover or covers, are passed outwardly, downwardly and inwardly around the hinge wires 12 and intermediate to the tongues upon the hinge bars F, so that by turning the inner ends of the tongues upon

the cover or covers around the hinge wires 12 and pressing them upwardly, the ends of such hinge tongues come within the inner side of the cover and are out of the way, and in this construction I am enabled to bring the hinge wires 12 sufficiently far outside of the surfaces of the sides 2 3 for the covers C C′ to swing downwardly and coincide with the sides 2 and 3 or nearly so without the hinge being strained or injured in so doing.

In order to secure the covers in position with convenience and without necessarily using the lock D, I provide hooks G at the ends of the satchel, such hooks G being hinged at their lower ends and their upper ends catching over the cover C and nearly in line with the handle E, and in making these hooks G, I cut a mortise through the sheet metal near the lower end of the hook and pass through the same a strip of ornamental sheet metal in the form of a loop 13 passing through a mortise in the end of the satchel, and the ends of the loops are spread apart or clinched against the interior surfaces of the ends B B′, and in this manner hinges are formed for the hooks G without the ornamental surfaces of the sheet metal being injured by soldering the parts in position.

In cases where there is but one cover, as seen in Fig. 6, the handle E and loops 10 are secured directly to the top of the satchel, the sheet A, being sufficiently long to extend to the top from one of the sides, and the cover C^2 is to be either angular or curved, as shown in said Fig. 6, and the lock D receives and secures the hasp upon the cover at its upper edge.

I claim as my invention—

1. A sheet metal satchel having ends that are recessed near the side and bottom edges, a sheet of metal forming the sides and bottom and double seamed at the junction of its edges with the ends, covers having end flanges lapping over the ends of the satchel, hinges at the junction of the flaps with the sides, and a handle connected with one of the covers, substantially as set forth.

2. A sheet metal satchel having ends that are recessed near the side and bottom edges, a sheet of metal forming the sides and bottom and double seamed at the junction of its edges with the ends, covers having end flanges lapping over the ends of the satchel, sheet metal bars riveted to the inner surfaces of the sides and near the top edges thereof and having tongues bent outwardly and carried over the hinge wire, there being intermediate tongues upon the lower outer edges of the covers bent downwardly beneath the hinge wires, whereby the hinge is composed of the sheet metal having the ornamental surfaces outwardly and the ends of the tongues within the satchel, substantially as set forth.

3. A sheet metal satchel having ends that are recessed near the side and bottom edges, a sheet of metal forming the sides and bottom and double seamed at the junction of its edges with the ends, covers having end flanges lapping over the ends of the satchel, hinges at the junctions of the flaps with the sides, a handle connected with one of the covers, hooks, and hinges connecting the hooks with the ends of the satchel, the ends of the hooks closing over the lapping portions of the covers at the ends of the satchel, substantially as set forth.

4. The combination in a sheet metal satchel, of ends recessed near their side and bottom edges, a metallic sheet forming the sides and bottom of the satchel and double seamed at the junctions of its edges with the ends, said ends projecting above the top edges of the sides and stiffened by the edges of the sheet metal being rolled over, a cover and hinges uniting the outer edge of the cover to the top edge of the side, such cover lapping at its top edge, a fastening for holding the cover, and a handle attached above the middle of the satchel, substantially as set forth.

5. The combination in a sheet metal satchel, of ends recessed around the edges, a sheet of metal forming the bottom and sides and double seamed to the ends at the edges, a cover and hinges uniting the lower edge of the cover to the top of one of the sides, a fastening for the upper edge of the cover, and a handle at the upper part of the middle of said satchel, substantially as set forth.

Signed by me this 9th day of July, 1894.

HENRY MACARTHY.

Witnesses:
HAROLD SERRELL,
A. M. OLIVER.