

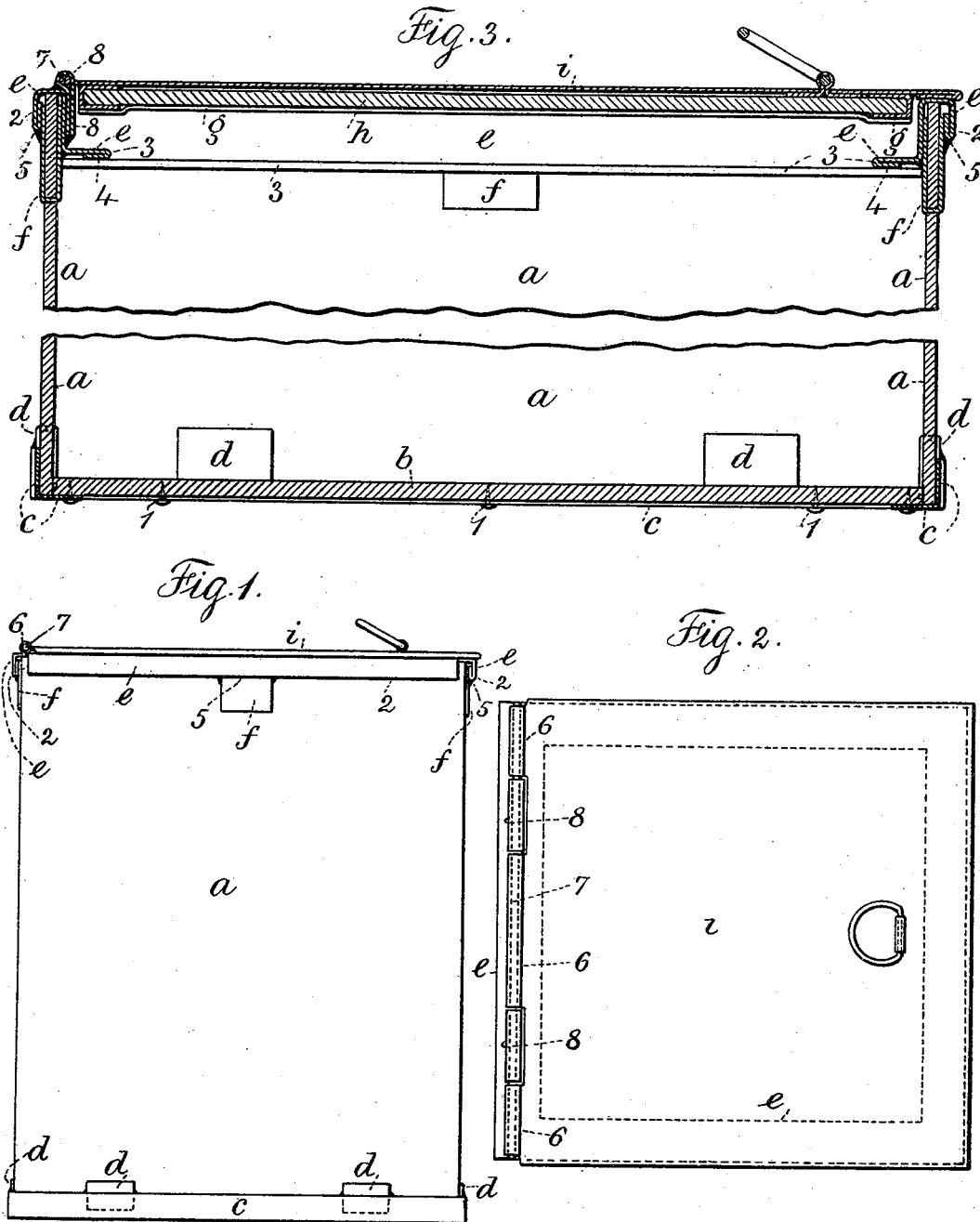
No. 645,755.

Patented Mar. 20, 1900.

J. H. PREATER.  
SHIPPING CASE.

(Application filed Dec. 14, 1899.)

(No Model.)



Witnesses:  
J. Stail  
Chas. H. Smith

Inventor:  
James H. Preater  
per L. W. Terrell & Son  
Attys.

# UNITED STATES PATENT OFFICE.

JAMES H. PREATER, OF NEW YORK, N. Y.

## SHIPPING-CASE.

SPECIFICATION forming part of Letters Patent No. 645,755, dated March 20, 1900.

Application filed December 14, 1899, Serial No. 740,266. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES H. PREATER, a citizen of the United States, residing at New York, (Brooklyn,) in the county of Kings and State of New York, have invented an Improvement in Shipping-Cases, of which the following is a specification.

My invention relates to a novel shipping-case for holding and transporting such merchandise as coffee, tea, &c.; and the object of the invention is to produce a light, strong, and rigid case and one capable of being readily placed with other similar cases in a crate or receptacle for shipment.

In carrying out my invention I make the shipping-case with sides of approximately thin strong material, such as binders' board, folded to shape at the corners and with a bottom received within the sides and held thereto by tang-plates passing through and engaging the sides and soldered to a metal edge frame around the bottom. At the upper edge there is a frame formed of sheet-metal strips overhanging the upper edges of the sides, with the parts of the frame soldered at the corners. The parts of the frames are each of approximately L shape within the upper end of the shipping-case, and I employ tang-plates passing through and engaging the sides and soldered to the frame formed of the said strips. A cover is fastened to the upper frame, and it is preferably formed of U-strips placed edge-wise and soldered together at the corners and inclosing a piece of binders' board, the outer surface of the cover being a sheet of metal folded around the edges and along one edge connected by hinges to the upper frame. It will be observed that the tang-plates, which are passed through and are securely fastened to the sides, hold the bottom of the case in place and the top frame in place, overhanging the upper edges of the sides. The frame surrounding the bottom and the overhanging frame surrounding the top hold the respective ends of the sides securely together.

In the drawings, Figure 1 is an elevation, and Fig. 2 a plan, representing my improved shipping-case; and Fig. 3 is a vertical broken section, in large size, showing especially the respective bottom and top portions of the shipping-case.

The sides *a* are preferably of such material

as binders' board folded at the corners either by scoring the material before it is bent or by moistening the material previous to bending. The four sides of the shipping-case are alike, and the respective meeting edges are connected in any desirable manner, the said connection forming no part of the present invention.

The bottom *b* of the case may be a strip of wood, binders' board, or similar material, and I employ a metal edge frame *c* of L shape, connected, preferably, by the nails 1 to the bottom *b*, and when the bottom is in place between the sides *a* the said metal frame comes outside of the lower edges of the sides and incloses the same.

I employ tang-plates *d*, which are strips of metal passing through narrow slots in the sides and bent over against the inner face as well as bent over against the outer face, and the outer face of the tang-plates passes beneath the metal frame *c*, and the two parts at the edge of the frame are soldered together, so as to securely connect the said metal parts and hold the bottom of the case to the sides.

The frame that incloses the upper edges of the sides is preferably formed of the strips *e*. These are bent so as to fit over or straddle the said edges, with a fold outside at 2 and a fold inside at 3 along the respective edges of the metal, the inner portion being of L shape, with a part in a plane parallel to the sides and a part standing out at right angles thereto. These strips overlap at the corners, where they are soldered together at the places marked 4, and I employ tang-plates *f*, similar to the tang-plates *d*, passing through the sides *a*, with parts that are turned upward, the inner part preferably passing beneath the strips forming the said frame and the outer part passing beneath the folded edge 2, where the tang-plates and the strips are soldered together at 5. These tang-plates serve to hold the strips forming the upper frame securely down upon the upper edges of the sides and form a very rigid frame at the upper part of the shipping-case, to which the cover can readily be secured.

The cover I prefer to form of the board *h*, which may be wood, binders' board, or similar suitable material, the edges of the same being inclosed in metal strips of U form

lapped at the corners and soldered together, and the upper surface thereof being preferably covered with a metal surface strip *i*, soldered to the inclosing frame *g*. I form 5 hinges along one edge of the metal surface *i* by rolling over the metal at 6 and inclosing a wire 7 and transversely notching the same for the folded leaves 8 of the hinge, which are connected to one of the metal strips *e*, forming the top cover of the shipping-case. The 10 outer edge of the metal surface *i* is preferably folded over where it rests upon the strip *e* of the frame opposite to the hinges.

I have shown a ring upon the top of the 15 cover by which the same may be lifted; but this forms no part of my invention, as the same may be thus provided or it may be provided to catch at the edges, as desired.

This shipping-case is exceedingly light and 20 strong and because of its comparatively smooth and even exterior it may be placed with similar cases in a crate or other receptacle for shipment, and the same is cheaply made and is cleanly.

25 I claim as my invention—

1. The combination in a shipping-case with the sides of binders' board or similar material folded to shape, of the bottom, the metal 30 edge frame secured to the end surface thereof and receiving the lower edges of the sides and extending outside of the said lower edges, and the tang-plates passing through the sides and beneath the metal of the said edge frame and soldered thereto, substantially as set 35 forth.

2. In a shipping-case, the combination with the sides of binders' board or similar material folded to shape and a bottom secured at the 40 lower edges of the sides, of a top frame formed of metal strips overhanging the upper edges of the sides and lapping at the corners and soldered together at the lapping corners, and means for connecting the same to the upper 45 portion of the sides, substantially as set forth.

3. In a shipping-case, the combination with the sides of binders' board or similar material folded to shape, and a bottom and means for 50 connecting the same to the lower edges of the sides, of the sheet-metal strips folded to straddle and overhanging the upper edges of the sides and of L shape within the top of the shipping-case with a folded edge on the out-

side at 2 and on the inside at 3, and with the 55 respective corners of the frames lapping and soldered together and tang-plates formed of metal strips passing through the sides with the ends bent upwardly and passing beneath the inner and outer portions of the folded 60 metal strip and soldered at 5 to the outer part of the said strips, and a cover secured to and folding down upon the upper edge of the said frame of strips, substantially as set forth.

4. The combination in a shipping-case with the sides of binders' board or similar material 65 folded to shape, the bottom and the metal edge frame connecting the same to the sides and the frame extending over and connected to the upper edges of the sides, of a cover formed of a foundation of binders' board or 70 similar material, a frame formed of U-strips inclosing the edges of the said foundation and lapping and soldered at the corners and a surface metal strip on the outside of the 75 said foundation and means for connecting the same to the frame at the top edges of the shipping-case, substantially as set forth.

5. The combination in a shipping-case with the sides of binders' board or similar material 80 folded to shape, a bottom and a metal edge frame for connecting the same at the lower edges of the sides, and a cover formed of a foundation-piece and a U-shaped metal frame 85 surrounding the edges of the foundation-strip and lapping and soldered at the corners and a surface strip of metal above the same, of a frame at the upper edges of the sides and to 90 which the cover is connected, said frame being formed of metal strips folded to straddle and overhang the top edges of the sides and 95 with a flange at right angles to the surface strip on the inside with folded edges outside at 2 and inside at 3, and the corners lapping and soldered together and tang-plates formed of strips of metal passing through the sides 100 below the said frame with the ends bent upward and passing beneath the metal portions of the said frame and soldered thereto, substantially as set forth.

Signed by me this 11th day of December, 100 1899.

JAS. H. PREATER.

Witnesses:

GEO. T. PINCKNEY,  
S. T. HAVILAND.