Dec. 8, 1925. 1,564,205

F. J. CLARK

FIREPROOF BOX

Filed July 2, 1925

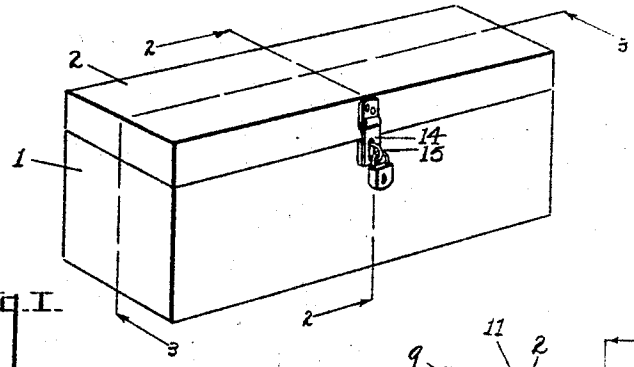


Fig. I.

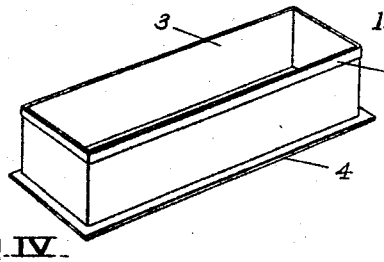


Fig. IV.

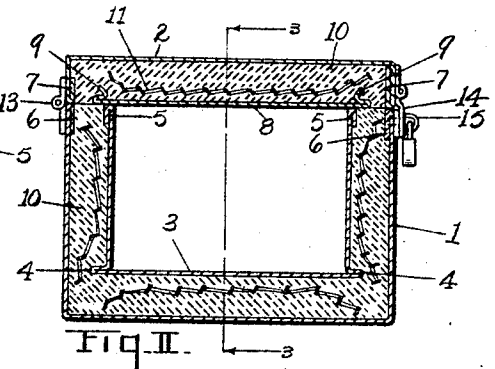


Fig. II.

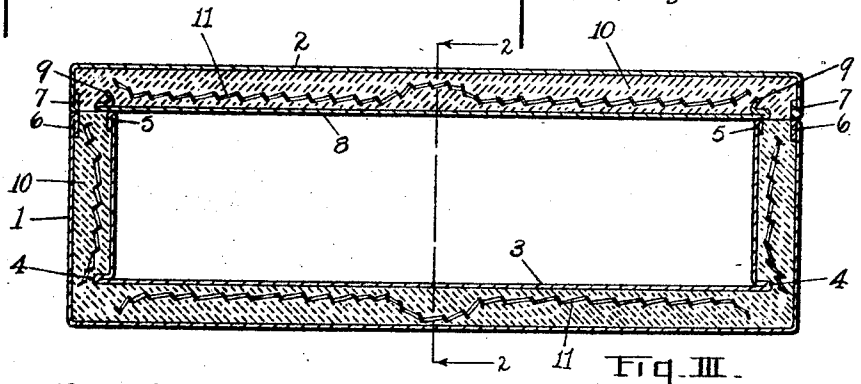


Fig. III.

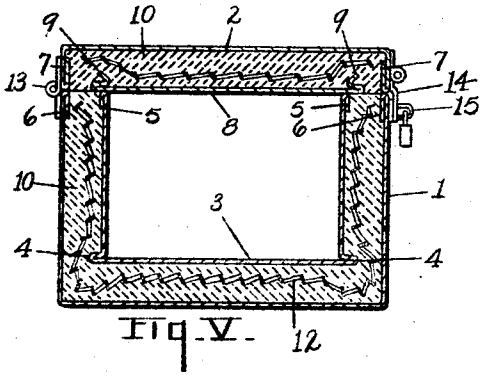


Fig. V.

Inventor

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Patented Dec. 8, 1925. 1,564,205

UNITED STATES PATENT OFFICE.

FRANK J. CLARK, OF BATTLE CREEK, MICHIGAN.

FIREPROOF BOX.

Application filed July 2, 1925. Serial No. 41,107.

To all whom it may concern:

Be it known that I, FRANK J. CLARK, a citizen of the United States, residing at Battle Creek, county of Calhoun, State of Michigan, have invented certain new and useful Improvements in Fireproof Boxes, of which the following is a specification.

This invention relates to improvements in fireproof boxes.

The main object of this invention is to provide an improved fireproof box which is well adapted as a file box for papers in offices, residences and the like, or as a receptacle for jewelry or other valuables.

A further object is to provide an improved fireproof box having these advantages in which the contents are effectively protected from the heat, and at the same time the box is very economical to produce and durable in use.

Objects pertaining to details and economies of construction and operation of my invention will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification. The invention is clearly defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is clearly illustrated in the accompanying drawing, forming a part of this application, in which:

Fig. I is a front perspective view of my improved box.

Fig. II is a vertical transverse section on a line corresponding to line 2—2 of Figs. I and III.

Fig. III is a vertical longitudinal section on a line corresponding to line 3—3 of Figs. I and II.

Fig. IV is a perspective view of the inner receptacle or container.

Fig. V is a transverse section corresponding to that of Fig. II of a slightly modified form or embodiment of my invention.

In the drawing similar reference characters refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, my improved box comprises an outer body shell 1 preferably of drawn or pressed metal, and a top shell 2 also of drawn or pressed metal. The inner receptacle or container 3 is also of metal and is preferably formed with outwardly projecting flanges 4 at its sides and ends thereof. The upper edges of the walls are turned downwardly at 5, thickening the same and providing a smooth round surface.

The edges of the body shell are turned inwardly at 6, the edges of the cover shell being turned inwardly at 7, thus reinforcing and thickening the edges.

The container cover plate 8 is of such dimensions as to overlap the edges of the container, as shown. The edges of this cover plate are conformed into upwardly projecting flanges 9.

The filler 10 of insulating material, such as an asbestos plaster or cement composition, is molded around the container within the body shell and within the cover shell to embrace the walls of the container and to embrace the flanges and edges of the cover plate so that the face of the cover plate is flush with the edges of the cover shell. The edges of the container are flush with the edges of the body shell. Reinforcing sheets of foraminate material 11 are imbedded within the insulating material, this reinforcing material being entirely out of contact with the metal parts described constituting the body and shell.

In the modification shown in Fig. V, the bottom and side reinforcing material 12 is formed in one piece. The cover is hinged at 13 and is provided with a hasp 14 to engage a staple 15 on the body.

My improved fireproof box is very simple and economical to produce and at the same time it is very effective in protecting its contents.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A fireproof box comprising outer body and cover shells of metal, a metal container having projecting flanges at the bottom thereof disposed within said body shell with its walls in spaced relation to the corresponding walls of said body shell, the upper edges of the container walls being in the plane of the upper edges of the body shell, a cover plate having upwardly projecting flanges at its edges adapted to overlap the edges of the container, and fillers of insulating material molded within said

body shell around said container and within said cover shell to embrace the flanges of said cover plate and so that the outer side of the cover plate is flush with the edges of the cover, said filler having foraminate reinforcing sheets imbedded therein at the bottom, sides and ends of the container and within said cover shell, such reinforcing material being out of contact with other metal parts.

2. A fireproof box comprising outer body and cover shells of metal, a metal container having projecting flanges at the bottom thereof disposed within said body shell with its walls in spaced relation to the corresponding walls of said body shell, the upper edges of the container walls being in the plane of the upper edges of the body shell, a cover plate having upwardly projecting flanges at its edges adapted to overlap the edges of the container, and fillers of insulating material moulded within said body shell around said container and within said cover shell to embrace the flanges of said cover plate and so that the outer side of the cover plate is flush with the edges of the cover.

3. A fireproof box comprising outer body and cover shells of metal, a metal container disposed within said body shell with its walls in spaced relation to the walls of the body shell, a cover plate disposed with its edges in spaced relation to the side walls of said cover shell to overlap the edges of said container, and fillers of insulating material molded within said body shell around said container and within said cover shell to embrace the edges of said cover plate, the body shell being flush with the upper edge of said container and the cover shell being flush with the face of said cover plate so that the fillers are in contacting relation when the cover and body shells are in contacting relation around the container when the cover is closed.

In witness whereof I have hereunto set my hand.

FRANK J. CLARK.