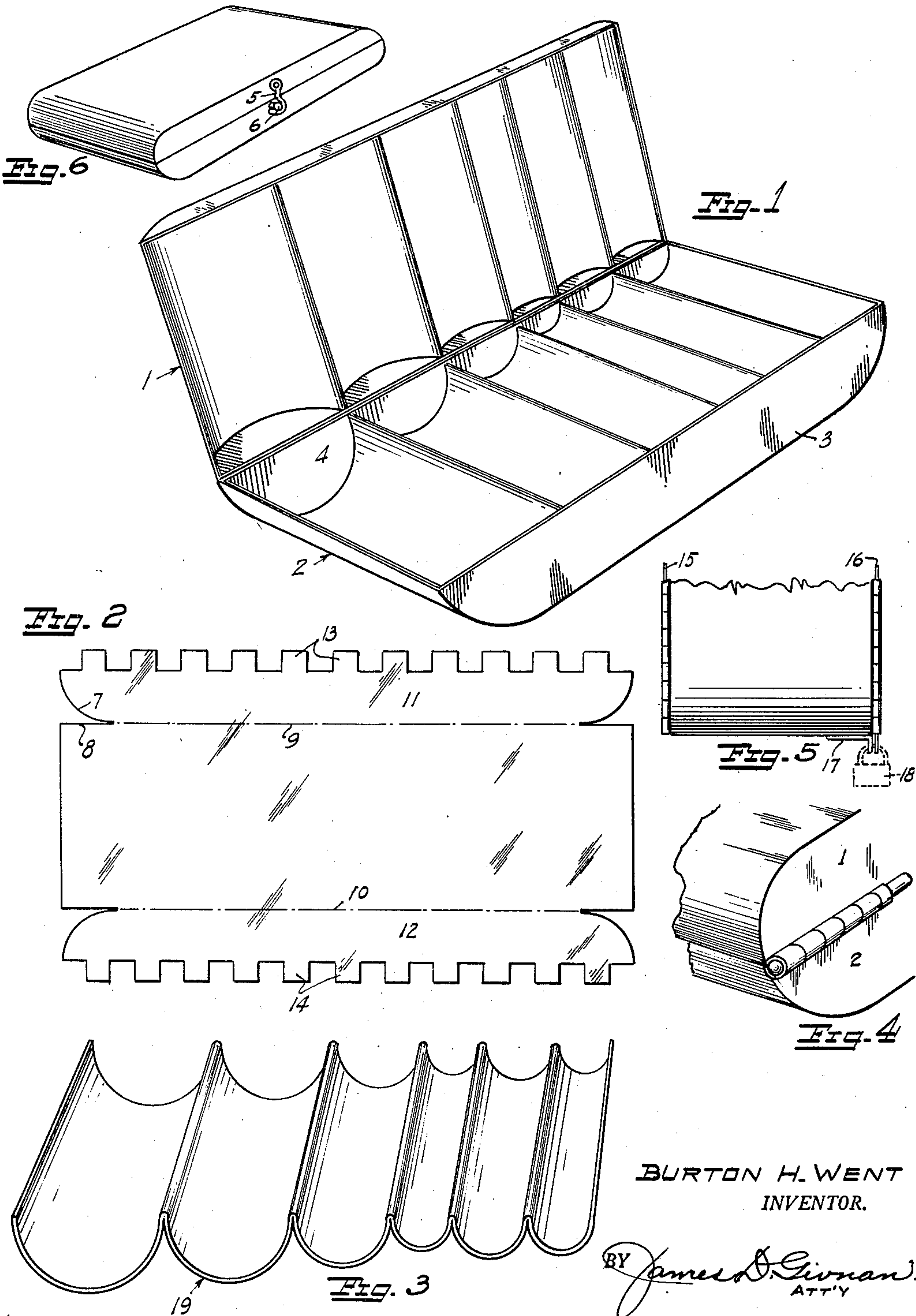


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COIN BOX

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2,544,118

COIN BOX

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1 Claim. (Cl. 206—0.8)

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This invention relates to improvements in coin boxes designed for sorting metal coins and especially adapted for use in conveying and depositing metal coins in a bank.

It's one of the principal objects of the invention to provide a coin box of this character inexpensively made by simple stamping and forming operations into two identical half sections hingedly connected together along one of their sides and which when closed, form a plurality of individual cylindrical receptacles for metal coins of various denominations.

A further object resides in the formation of said cylindrical sections and their installation in the coin box to reinforce the side walls thereof against deformation.

A still further object is the provision of a new and novel locking means in the form of intermeshing hinge tabs detachably secured together by a removable hinge pin which also serves as a locking bolt for securing the two halves of the box together in a closed position.

These and other objects will appear as my invention is more fully hereinafter described in the following specification, illustrated in the accompanying drawing and finally pointed out in the appended claim.

In the drawing:

Figure 1 is a perspective view of a coin box made in accordance with my invention and shown in an open position.

Figure 2 is a reduced plan view of a metal blank properly cut and scored to form either half section of the box.

Figure 3 is a perspective view of a coin tray stamped and formed from a metal blank to provide a series of semi-cylindrical coin receiving channels.

Figure 4 is a fragmentary perspective view illustrating the hinge assembly.

Figure 5 is a reduced fragmentary plan view of one end of the coin box illustrating a removable hinge pin to serve as a locking bolt and formed at one of its ends to receive a lock.

Figure 6 is a reduced perspective view of the box made of plastic and shown in a closed position.

Referring now more particularly to the drawing:

In Figure 1 reference numerals 1 and 2 indicate generally, and respectively, top and bottom identical half sections of the coin box formed of straight parallel side walls 3 and 4 and curved end walls. The box may be made of either metal or plastic, and if made of plastic only one side of the half sections would be hinged together

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either by means of a "piano hinge," or by molded hinge loops and a hinge pin extending through the loops. Also if the box is made of plastic I would provide any approved type of latch, such for instance, as a hook 5 swingably attached to one section and engageable with a pin 6 carried by the other section.

In making the box out of metal, I first form each identical half section out of a blank of metal notched or cut inwardly as at 7 and 8 at its ends to form the curved end walls, and scored as at 9 and 10 for folding the marginal portions of the blank upwardly to form side walls 11 and 12. The outside or upper marginal edge of one or both side walls is formed with integral hinge tabs 13 and 14. The hinge tabs in each section are rolled over on themselves and aligned with those of the other to receive one or two hinge pins 15 and 16. In the event that the sections are to be hinged together along one side only, for example, along the wall 11, the hinge tabs 14 on the opposite side would be eliminated. To provide a convenient locking mechanism I extend a removable hinge pin 16 through the loops along one side of the box. The hinge pin is enlarged and apertured at one of its ends for alignment with an aperture formed in a bracket 17 secured to the end wall of the box to receive a locking bolt of any approved type of padlock, or the like, indicated at 18.

In each section I provide a coin tray 19 having a series of coin receptacles of semi-cylindrical formation made of a single piece of blank material stamped and formed by a single operation. The coin trays in each section when brought together form complete cylinders and prevent displacement of coins from one cylinder into another. The coin trays are secured along their ends and sides to the walls of each half section by soldering, spot-welding, or the like, and due to their ridged formation provide reinforcement throughout the width of each section to resist distortion or collapse of the side walls under loads carried by the box.

While I have shown a particular form of embodiment of my invention, I am aware that many minor changes therein will readily suggest themselves to others skilled in the art without departing from the spirit and scope of the invention. Having thus described the invention, what I claim as new and desire to protect by Letters Patent is:

A coin box having two identical half sections, each section being formed of a cut, scored, and folded blank of material to form vertical side walls and curved end walls, spaced apart hinge tabs

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formed along the top edges of both side walls of one section and adapted to mesh between similar tabs formed along the top edges of both side walls of the other section, said tabs being rolled over on themselves, a fixed hinge pin extending through the meshing tabs of one side of both of said sections, a removable pin extending through the meshing tabs of the opposite side of both of said sections, said removable pin having an outwardly extending enlarged and apertured end portion, a bracket secured to one end wall of one of said sections and formed with an aperture adapted for alignment with the aperture in said removable pin to receive a locking means, a series of semi-cylindrical transverse channels formed on various radii in each section and arranged at right angles to said sides and adapted when brought together by closing both

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sections to provide on the interior of the box a plurality of coin receiving cylinders closed at both of their ends, and whereby said locking means will prevent removal of said removable pin and unintentional opening of said sections and the separation of said semi-cylindrical channels.

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