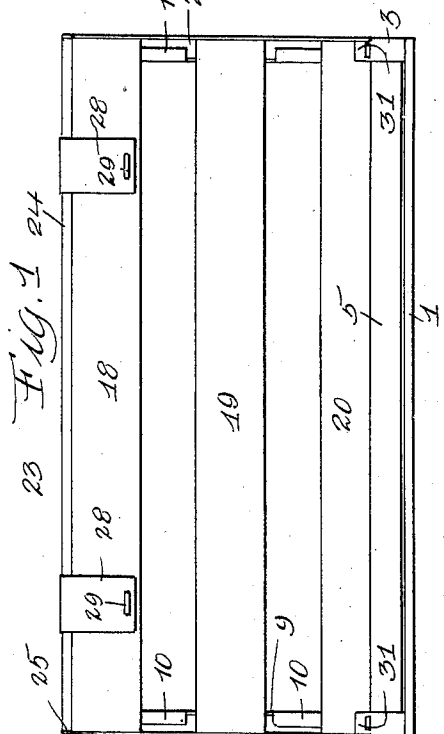
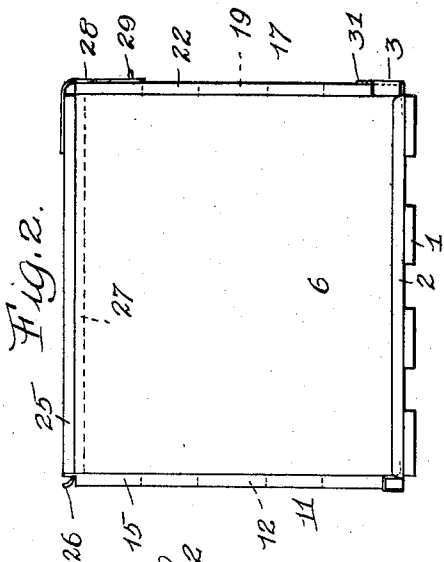


J. J. TAYLOR, 2D.
FOLDING BOX AND CRATE.
APPLICATION FILED DEC. 7, 1910.

1,003,217.

Patented Sept. 12, 1911.

2 SHEETS—SHEET 1.



WITNESSES

Samuel Payne
R. S. Butler

by

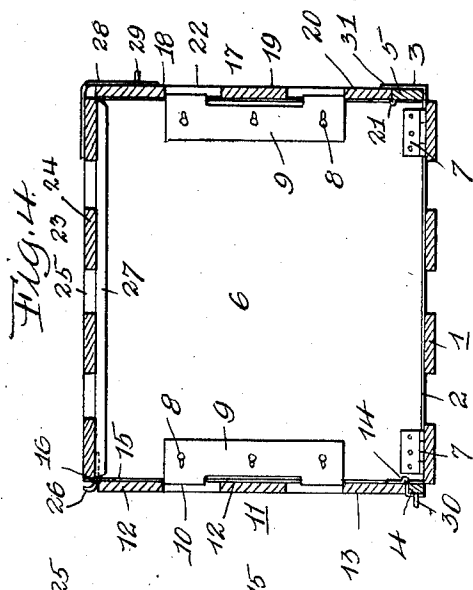
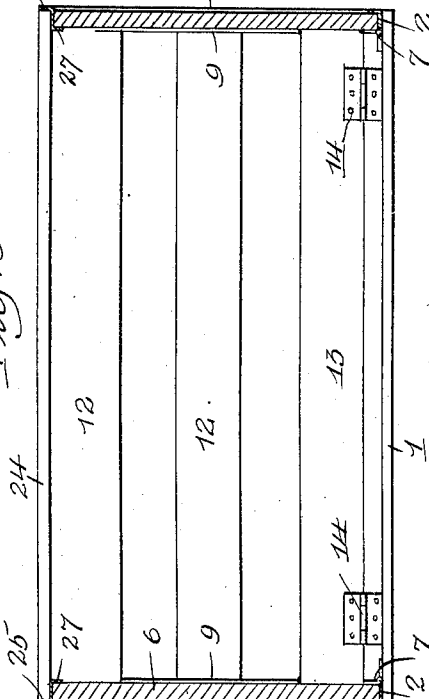


Fig. 3.



INVENTOR

J. J. Taylor 2nd.

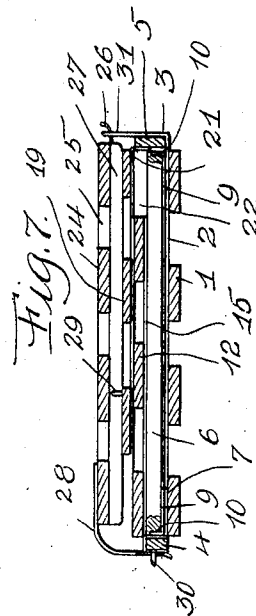
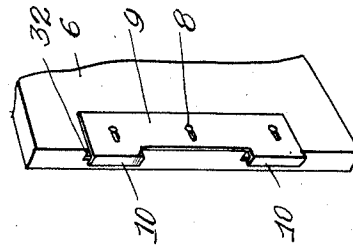
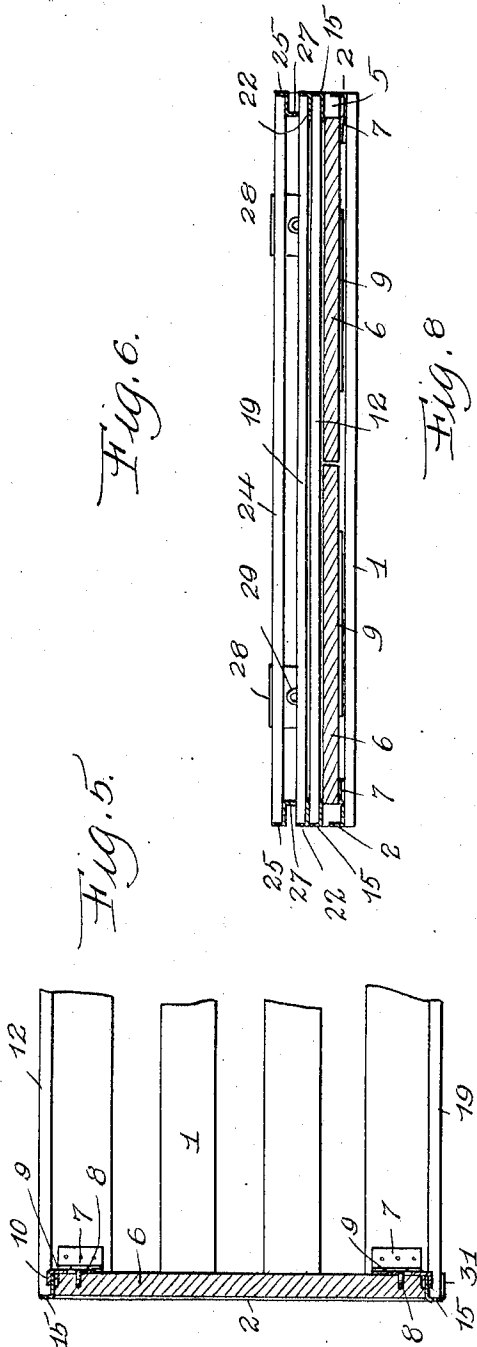
A. C. Everett & Co.
Attorneys.

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2 SHEETS—SHEET 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN JAY TAYLOR, 2D, OF WILKINSBURG, PENNSYLVANIA.

FOLDING BOX AND CRATE.

1,003,217.

Specification of Letters Patent.

Patented Sept. 12, 1911.

Application filed December 7, 1910. Serial No. 596,072.

To all whom it may concern:

Be it known that I, JOHN JAY TAYLOR, 2d, a citizen of the United States of America, residing at Wilkinsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Folding Boxes and Crates, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to folding boxes and crates, and the objects of my invention are to provide a box and crate that can be folded to occupy a comparatively small space in storage or during return shipment, and to furnish a folding box or crate with novel means for maintaining the same rigid when in a set up position.

Further objects of the invention are to provide a folding box or crate consisting of comparatively few parts easily and quickly assembled, and to provide a box or crate of the above type that is simple in construction, durable, inexpensive to manufacture and efficient for shipping various kinds of merchandise.

With these and such other objects in view as may hereinafter appear, the invention consists of the novel construction, combination and arrangement of parts to be presently described and then claimed.

Reference will now be had to the drawings, wherein there is illustrated a preferred embodiment of the invention, but it is to be understood that the structural elements thereof are susceptible to such changes as fall within the scope of the appended claims.

In the drawings:—Figure 1 is a front elevation of the box or crate, Fig. 2 is an end view of the same, Fig. 3 is a vertical longitudinal sectional view of the box or crate, Fig. 4 is a vertical cross sectional view of the same, Fig. 5 is a horizontal sectional view of a portion of the box or crate, Fig. 6 is a longitudinal sectional view of the box or crate in a folded position, Fig. 7 is a cross sectional view of the same, and Fig. 8 is a perspective view of a portion of the box or crate.

A folding box or crate in accordance with this invention embodies a bottom or base, foldable end walls, a foldable rear wall, a foldable front wall and a detachable lid or cover.

The bottom or base of the box or crate comprises longitudinal slats 1 having the

ends thereof connected by angle bars 2, said bars having the ends thereof bent upwardly, as at 3 to support longitudinal cleats 4 and 5, said cleats being of a length equivalent to the slats 1 with the cleat 5 of a greater height than the cleat 4.

The end walls comprise plates 6 hinged to the slats 1, as at 7 and said plates are adapted to fold inwardly upon the bottom or base of the box or crate. Slidably connected to the inner sides of the plates 6 adjacent to the vertical edges thereof by pins 8 are plates 9 having hook-shaped extensions 10, the object of which will presently appear.

The rear wall is designated generally by the reference numeral 11 and comprises longitudinal slats 12 and 13, the slats 13 having the lower edge thereof hinged, as at 14 to the cleat 4, whereby said rear wall can be folded inwardly upon the base plate 6. The ends of the slats 12 and 13 are connected by angle bars 15 and the hook-shaped extensions 10 of the movable plates 9 are adapted to engage said angle bars and retain the rear wall 11 in an upright and vertical position. The angle bars 15 are notched for the reception of the extensions 10 of one plate 9 as clearly shown in Fig. 4. The upper ends of the angle bars 15 extend above the cleat 12 and are slotted, as at 16.

The front wall designated generally by the reference numeral 17 comprises longitudinal slats 18, 19 and 20, the lower edge of the slat 20 being hinged, as at 21 to the upper inner edge of the cleat 5, whereby the front wall can be folded inwardly upon the rear wall 11. The ends of the slats 18, 19 and 20 are connected by angle bars 22 and the hook-shaped extensions 10 of the other movable plates 9 are adapted to retain the front wall in an upright and vertical position. The angle bars 22 are notched for the reception of the extensions 10 of the other plate 9 as clearly shown in Fig. 4.

The lid or cover designated generally by the reference numeral 23 comprises longitudinal slats 24 having the ends thereof connected by Z-shaped angle bars 25, the rear ends of said bars being reduced, as at 26 to engage in the slots 16 at the upper ends of the angle bars 15. The depending flanges 27 of the bars 25 are adapted to engage the inner upper edges of the plates 6 and prevent accidental collapse of the end walls of the box or crate. Connected to one of the cleats 24 of the lid or cover 23 are hasps 28

adapted to engage over staples 29, carried by the slat 18 of the front wall 17.

For folding purposes the outer side of the cleat 4 is provided with staples 30, and the ends of the angle bars 2 adjacent to the cleat 5 are extended and slotted, as at 31. By removing the lid or cover 23, the end walls can be folded inwardly upon the bottom or base, the rear wall 11 folded inwardly upon the end walls, the front wall 17 folded inwardly upon the rear wall 11, and then by placing the reduced ends 26 of the bars 25 of the lid or cover into the upper slotted ends 31 of the bars 2, the lid or cover can be locked upon the front and rear walls by the hasps 28 engaging over the staples 30, thus producing a complete and compact parcel. The plates 9 are made shiftable whereby they can be moved inwardly when the box or crate is to be folded, and it is preferable to cut away the inner sides of the plates 6, as at 32 to accommodate the slidable plates 9.

What I claim is:—

25 1. A folding box comprising a slatted base, slatted front and rear walls and a slatted top, angle bars connected to the ends of the base and having each end bent to extend upwardly, cleats supported by the bent ends of said angle bars, means for 30 hinging the front and rear walls to said

cleats, end walls hinged to the base, slotted angle bars connected to the ends of the front and rear walls, plates carried by the end walls and formed with extensions adapted to engage in the slots of said angle bars, and bars connected to the ends of the top and engaging in those angle bars secured to the front and rear walls. 35

2. A folding box comprising a slatted base, slatted front and rear walls and a slatted top, angle bars connected to the ends of the base and having each end bent to extend upwardly, cleats supported by the bent ends of said angle bars, means for hinging the front and rear walls to said cleats, end walls hinged to the base, slotted angle bars connected to the ends of the front and rear walls, plates carried by the end walls and formed with extensions adapted to engage in the slots of said angle bars, and Z-bars connected to the ends of the top and engaging in the angle bars carried by the side and rear walls and further engaging the inner upper edges of the end walls. 40 45 50 55

In testimony whereof I affix my signature in the presence of two witnesses.

JOHN JAY TAYLOR, 2ND.

Witnesses:

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CHRISTINA T. HOOD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."