G. E. WOODS.

FOLDING BOX.

APPLICATION FILED MAY 21, 1912. RENEWED MAR. 10, 1914.

1,114,567. Patented Oct. 20, 1914.

FIG. 1

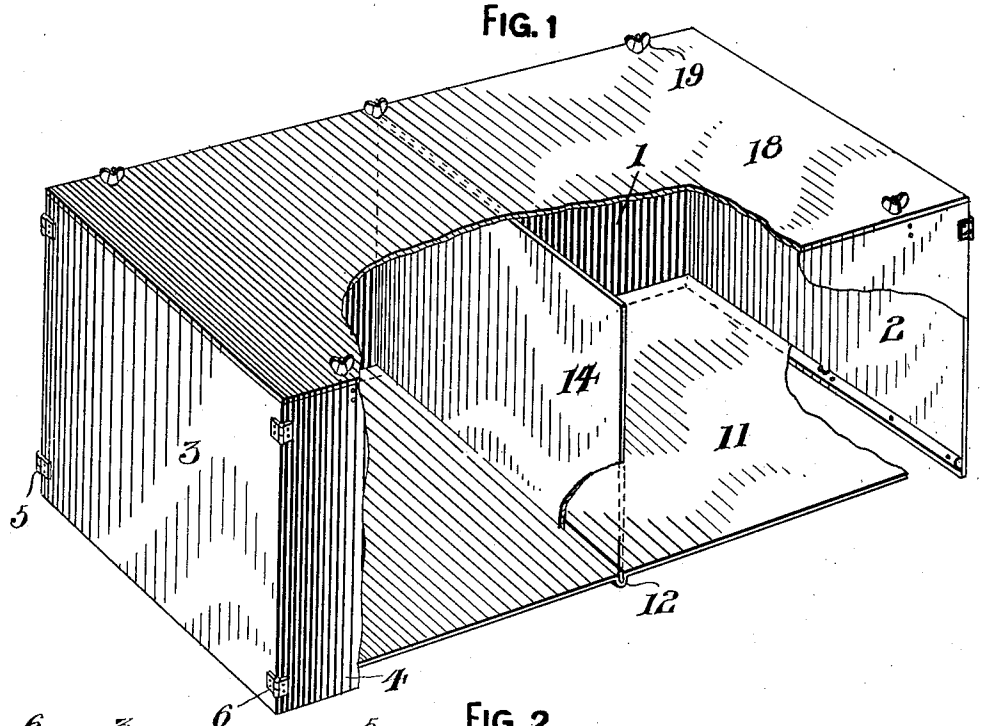



FIG. 2

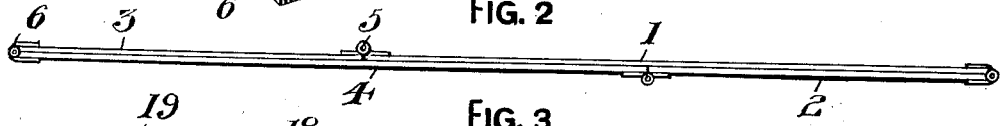



FIG. 3

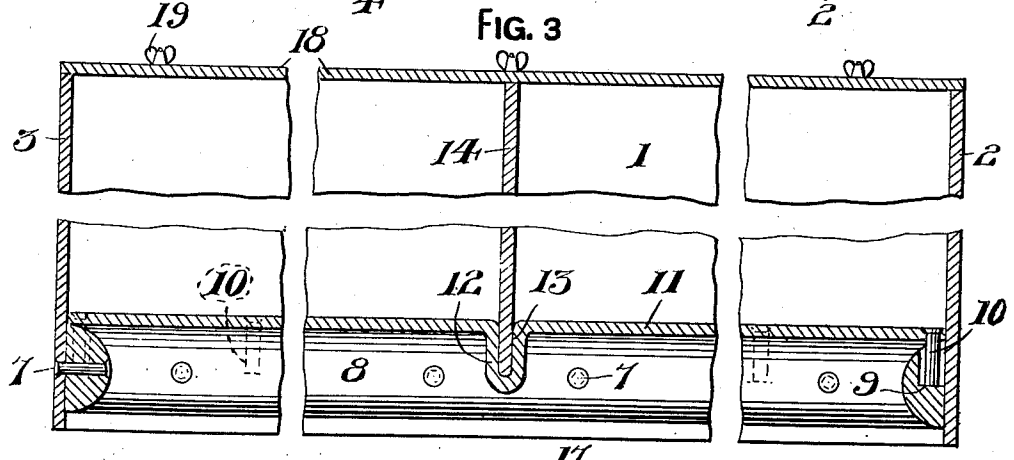
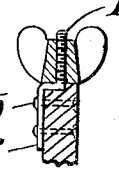



FIG. 4




WITNESSES

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# UNITED STATES PATENT OFFICE.

GEORGE E. WOODS, OF PITTSBURGH, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO HERMAN SAMUEL JACOBSON, OF PITTSBURGH, PENNSYLVANIA.

## FOLDING BOX.

1,114,567. Specification of Letters Patent. Patented Oct. 20, 1914.

Application filed May 21, 1912, Serial No. 698,781. Renewed March 10, 1914. Serial No. 823,793.

*To all whom it may concern:*

Be it known that I, GEORGE E. WOODS, a citizen of the United States of America, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Folding Boxes, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a folding crate, and the primary object of my invention is to provide a collapsible metallic crate that can be advantageously used for the shipment of eggs and other perishable matters, the crate being constructed whereby it can be collapsed to occupy a comparatively small space when re-shipped to the owner.

Another object of this invention is to provide a folding crate that can be easily and quickly collapsed, said crate having provision for supporting a partition whereby different kinds of matter can be carried in the compartments of the crate.

A further object of this invention is to provide a foldable crate consisting of comparatively few parts that are inexpensive to manufacture, rigid when set up, durable and highly efficient for the purposes for which they are intended.

With the above and other objects in view, the invention resides in a novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein:—

Figure 1 is a perspective view of the crate in a set up position, partly broken away and partly in section. Fig. 2 is an edge view of the walls of the crate in a collapsed position. Fig. 3 is a vertical longitudinal sectional view of the crate partly broken away, and Fig. 4 is an enlarged cross sectional view of a portion of the crate illustrating the lid or cover holding means.

A folding crate in accordance with this invention comprises a rear wall 1, end walls 2 and 3, and a front wall 4. The end walls 2 and 3 have the rear edges thereof hinged, as at 5 to the vertical rear edges of the wall 1. The front wall 4 has the vertical edges thereof hinged, as at 6 to the vertical front edges of the end walls 2 and 3, the hinges 5 and 6 being arranged, whereby the walls of the crate can be collapsed, as best shown in Fig. 2.

Riveted or otherwise connected, as at 7, to the inner sides of the walls 1 to 4 inclusive, at a point offset or removed from the lower edges of said walls, is a supporting strip 8 that is preferably semicylindrical, as best shown in Fig. 3. The strip 8 is provided with sockets 9 and adapted to engage in said sockets are depending pins 10, carried by the edges of a bottom plate 11. The bottom plate 11, intermediate the ends thereof, is provided with a transverse depression 12 that provides a transverse groove 13 adapted to receive the lower edge of a vertical transverse partition 14. The partition 14 divides the crate into two compartments, as best shown in Fig. 1, and the upper edges of the partition 14 are flush with the upper edges of the walls 1 to 4 inclusive.

Riveted or otherwise connected, as at 15 to the upper edges of the walls 1 to 4 inclusive are straps 16 that extend onto the upper edges of the walls. The straps 16 have integral vertical screws 17 that pass through openings provided therefor in a lid or closure 18 arranged upon the upper edges of the walls 1 to 4 inclusive. Screwed upon the screws 17 are wing thumb nuts 19 employed for securing the lid or closure 18 upon the crank.

From the foregoing it will be observed that the folding crate consists of comparatively few parts that are easily set up to provide a rigid construction capable of withstanding the rough usage to which shipping crates are subjected. With the crate made of light and durable metal, the contents thereof are fully protected and it is obvious that various kinds of merchandise can be safely transported within the crate.

While in the drawing there is illustrated a preferred embodiment of the invention, it is to be understood that the structural elements are susceptible to such variations as fall within the scope of the appended claims.

What I claim is:—

1. A folding crate comprising a collapsible body portion including side and end walls hinged together, means carried by each of said walls in proximity to its lower edge to provide sockets within said body portion, a bottom plate, depending pins car-

ried by the plate and engaging in said sockets, and a lid adapted to be connected to said body portion.

2. A folding crate comprising a rectangular collapsible body portion including side and end walls hinged together, inwardly projecting semi-circular strips, one of said strips having its flat face positioned against the inner face of a wall in proximity to the lower edge of the latter, means for securing the strips to said walls, said strips provided with vertically disposed sockets, a rectangular bottom plate mounted upon said strips, pins secured to said bottom plate and detachably engaging in said sockets, and a cover secured to said body.

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

GEORGE E. WOODS.

Witnesses:

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H. SAMUEL JACOBSON.