R. L. BOSWELL AND H. E. MARTIN.

PARTITION AND REINFORCING MEMBER FOR SHIPPING CASES.

APPLICATION FILED APR. 16, 1917.

1,306,796. Patented June 17, 1919.

Fig. 1.

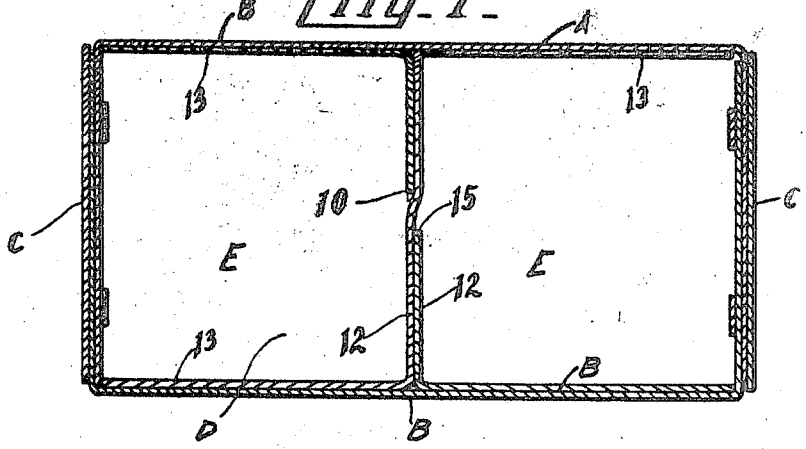


Fig. 2.

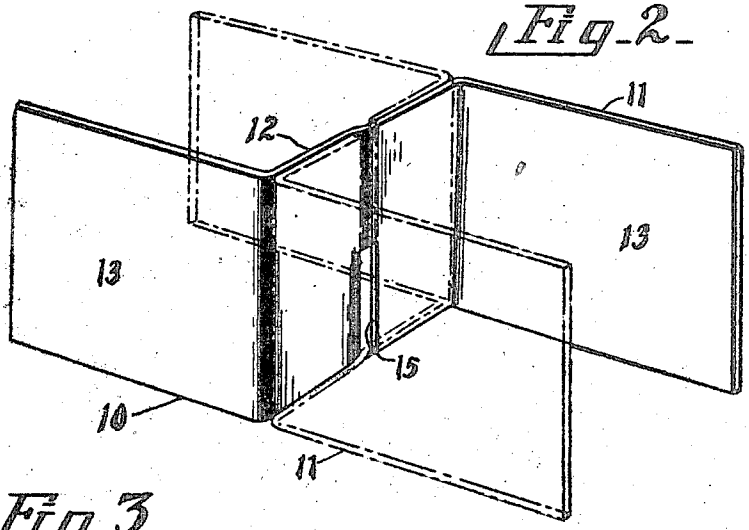
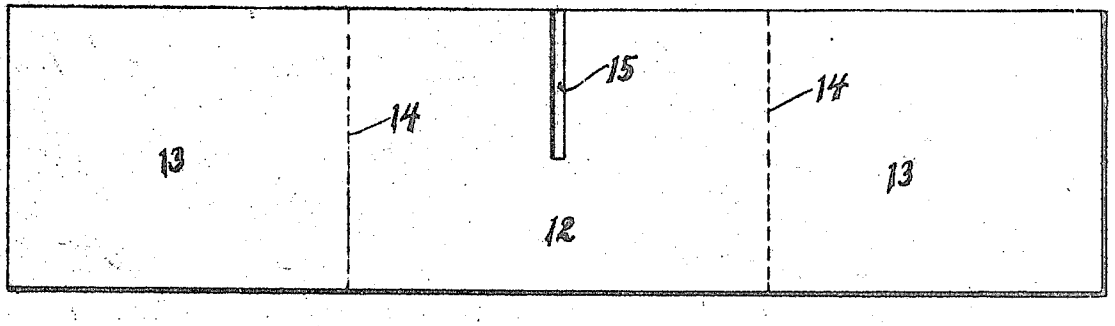


Fig. 3.



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UNITED STATES PATENT OFFICE.

ROY L. BOSWELL AND HARRY E. MARTIN, OF TATE, NEBRASKA.

PARTITION AND REINFORCING MEMBER FOR SHIPPING-CASES.

1,306,796. Specification of Letters Patent. Patented June 17, 1919.

Application filed April 16, 1917. Serial No. 162,473.

To all whom it may concern:

Be it known that we, ROY L. BOSWELL and HARRY E. MARTIN, citizens of the United States, residing at Tate, in the county of Pawnee, State of Nebraska, have invented certain new and useful Improvements in Partition and Reinforcing Members for Shipping-Cases; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in shipping receptacles, and is directed more particularly to a combined partition and strengthening member for use in connection with shipping cases, for eggs and other fragile products, such as disclosed in our copending application filed July 10, 1916, Serial No. 108,393.

An object of the present invention resides in the provision of a novel construction of partition and strengthening member through the medium of which a shipping case may be divided into compartments and the side walls thereof furthermore reinforced to protect the contents of the compartments from shocks and jars to which the case may be subjected in transit, the member also providing a double thickness of material between the compartments to further minimize the possibility of breakage of their contents.

With the above and other objects of similar nature in view, the invention consists in the construction, combination and arrangement of parts, set forth in and falling within the scope of the appended claim.

In the drawing:—

Figure 1 is a horizontal section through an egg shipping case with the invention positioned therein.

Fig. 2 is a perspective view of one of the elements of the combined partition and strengthening member, the other element being indicated in dotted lines; and,

Fig. 3 is a plan view of one of the elements from which the member is formed.

Referring now more particularly to the accompanying drawing there is shown a horizontal section through a shipping case A including the side walls B, end walls C, and bottom wall D, the case being preferably constructed of paper such as heavy fiber, pulp, straw board or the like.

The invention is shown generally at 10 and is utilized first to divide the case A into the compartments E, and second, to reinforce and strengthen the side walls B thereof and thereby assist in protecting the contents of the compartments from the shocks and blows to which the case is subjected while in transit. Specifically the invention consists of a combined partition and strengthening member that is formed from two similarly constructed strips 11, also of fiber or pulp board that are interlocked one with the other as will presently appear. The strips in blank are each formed as shown in Fig. 3, and consist of an intermediate portion 12 and end portions 13 defined from the intermediate portion by fold lines 14. The intermediate portion 12 of each strip or blank is slotted transversely from one of its side edges as indicated at 15, while the ends 13 are folded on the lines 14, oppositely and at right angles to the intermediate portions. In assembling the strip, the intermediate portions 12 are held with the slots 15 opening toward each other and are moved to dispose the walls of the slots in interlocked relation, they being then swung to extend with their faces in mutual contact and their adjacent end portions directed oppositely and forming a continuous wall. The strips thus assembled are fitted into the case with their intermediate portions extending transversely thereacross and forming the dividing wall or partition between the compartments, while the walls produced by the end portions 13 contact with the side walls B of the case and thereby strengthen the same and provide therewith a double thickness of material so that possibility of breakage of the contents of the compartments will be minimized. It is understood that suitable fillers and flats may now be placed therein in the usual manner for shipment. It will further be understood that by reason of their construction the strips may be readily disassembled and collapsed and bundled in compact form for storage or shipment.

What we claim is:—

The combination with a shipping case of a combined partition and reinforcing member consisting of two U-shaped strips each having a slot in its bight portion extending half-way through it, the slot of one bight portion receiving the bight portion of the other member from the bottom of its slot to its unslotted edge and corresponding sides of the U-shaped members being in a common

plane and the bight portions in mutual superficial contact, the sides of the U-shaped members being disposed continuously of the inner faces of the sides of the case with their free ends against the ends of the case whereby to hold the bight portions against movement longitudinally of the case.

In testimony whereof, we affix our signatures in the presence of two witnesses.

ROY L. BOSWELL,
HARRY E. MARTIN.

Witnesses:
JOSEPH ORASH,
FRANK POLAK.