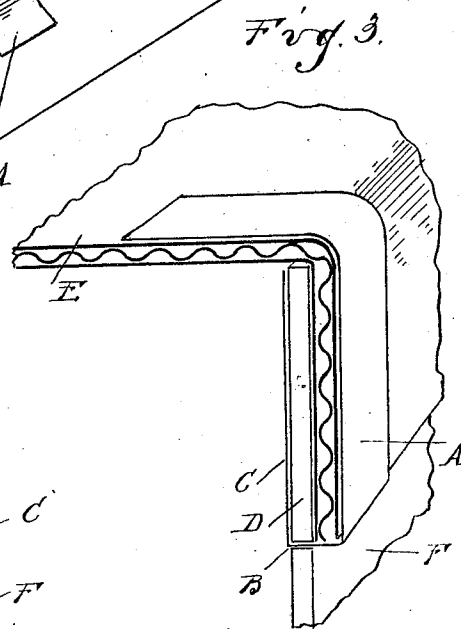
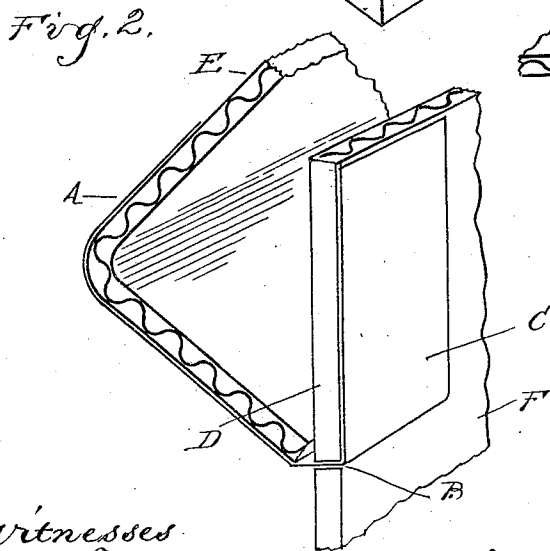
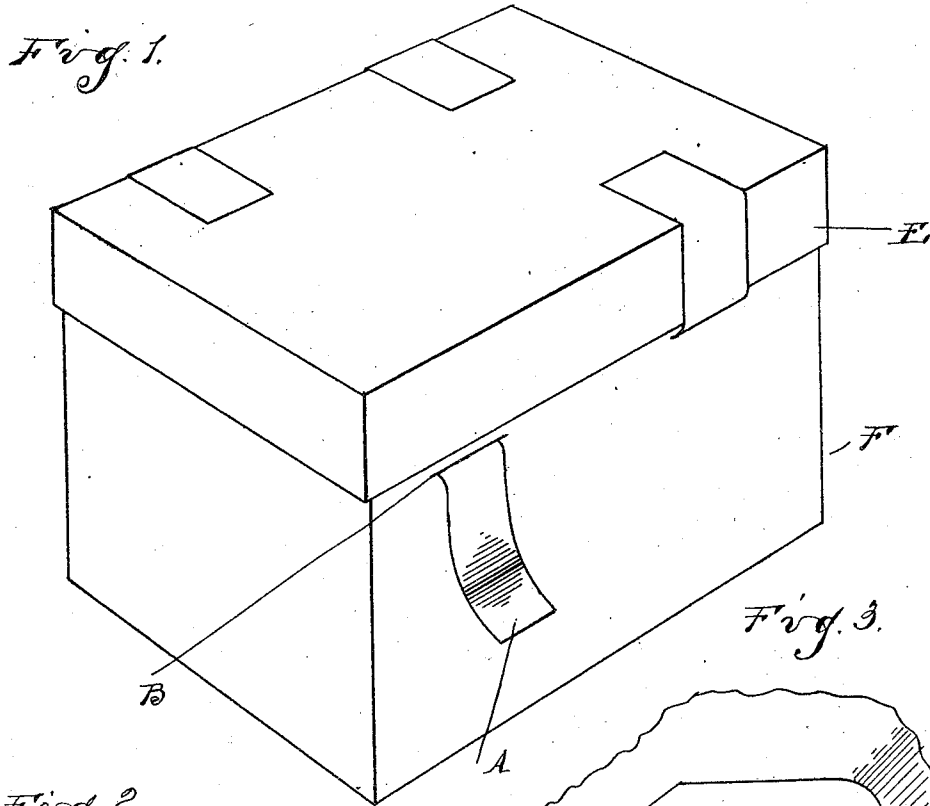


1,127,073.

Patented Feb. 2, 1915.



Witnesses
H. K. Ford
James O. Parry.

Inventor
Lawrence D. Morton
By Whittumon Hulls & Whittumon
attys.

UNITED STATES PATENT OFFICE.

LAWRENCE D. MORTON, OF SANDUSKY, OHIO, ASSIGNOR TO THE HINDE & DAUCH
PAPER COMPANY, OF SANDUSKY, OHIO, A CORPORATION OF OHIO.

CARTON.

1,127,073.

Specification of Letters Patent.

Patented Feb. 2, 1915.

Application filed November 27, 1911. Serial No. 662,701.

To all whom it may concern:

Be it known that I, LAWRENCE D. MORTON, a citizen of the United States of America, residing at Sandusky, in the county of Erie and State of Ohio, have invented certain new and useful Improvements in Cartons, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to boxes or cartons formed of paper board or similar material, and it is the particular object of the invention to provide means for effectually securing the cover or closure.

It is a further object to obtain a hinge connection between the cover and carton.

With these objects in view the invention consists in the construction as hereinafter set forth:

In the drawings, Figure 1 is a perspective view of the carton to which my improvement is applied; Fig. 2 is a sectional enlarged perspective view showing the hinge construction; Fig. 3 is a similar view showing the sealing means.

In the present state of the art, boxes or cartons formed of faced corrugated paper board are extensively used. A difficulty has however, been experienced in satisfactorily securing said cartons in closed position for the reason that the material while possessing considerable strength and rigidity in resisting distributed stress, is easily torn or broken by a localized stress. Thus fasteners, hinges, etc., which are locally attached are easily torn off.

It is the object of the present invention to obtain a fastening means with which the stresses are adapted so as to avoid tearing or breaking down the material at any one point, and to this end I employ a flexible tape or ribbon which is passed through a slit in the material and is secured to the opposite face thereof.

As shown in Figs. 1 and 3, A is a tape or ribbon of any suitable flexible material having the required strength, such as a cloth fabric, B is a slit cut through the corrugated paper board in a direction transverse to the corrugations and of sufficient width to receive the strip or ribbon A. After the insertion of the ribbon through this slit the end C thereof is secured to the inner face of the

wall D by any suitable adhesive, the area of attachment being sufficiently large to resist the stresses on the ribbon. The outer end of the ribbon is then folded over the cover E or other closure for the carton F and is secured by glue or other adhesive. Thus when the package is sealed, any stresses on the cover tending to separate the same from the body of the carton will be transmitted to the ribbon A without localized stress on the material forming the cover. The ribbon A in turn will transmit the stress to the ends of the corrugations in the slit B which together will offer sufficient resistance to prevent tearing. Disengagement of the ribbon from the slit is prevented by the portion C thereof which is affixed to the inner side of the wall of the package.

The construction just described is one which is adapted for the formation of a hinge connection between the cover and the body of the carton, such being illustrated in Fig. 2.

What I claim as my invention is:

1. In a carton formed of corrugated paper board, the combination with a body portion and a flanged cover fitting over the same, one wall of the body portion being provided with a slit transversely to the corrugations and arranged adjacent the edge of the cover flange, and a ribbon passing through said slit having the inner end thereof affixed to the inner face of said wall and having the outer end affixed to the cover.

2. In a carton formed of corrugated paper board, the combination with the body portion and a flanged cover fitting over the same, the opposite walls of the body portion being provided with a plurality of spaced slits arranged adjacent the lower edge of the cover flange, and ribbons passing through said slits having the inner ends thereof affixed to the inner face of said wall and having the outer ends secured to the outer face of the cover, whereby the cover is sealed to the body portion.

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

LAWRENCE D. MORTON.

Witnesses:

SIDNEY FROHMAN,
WM. F. MARBRECHT.