

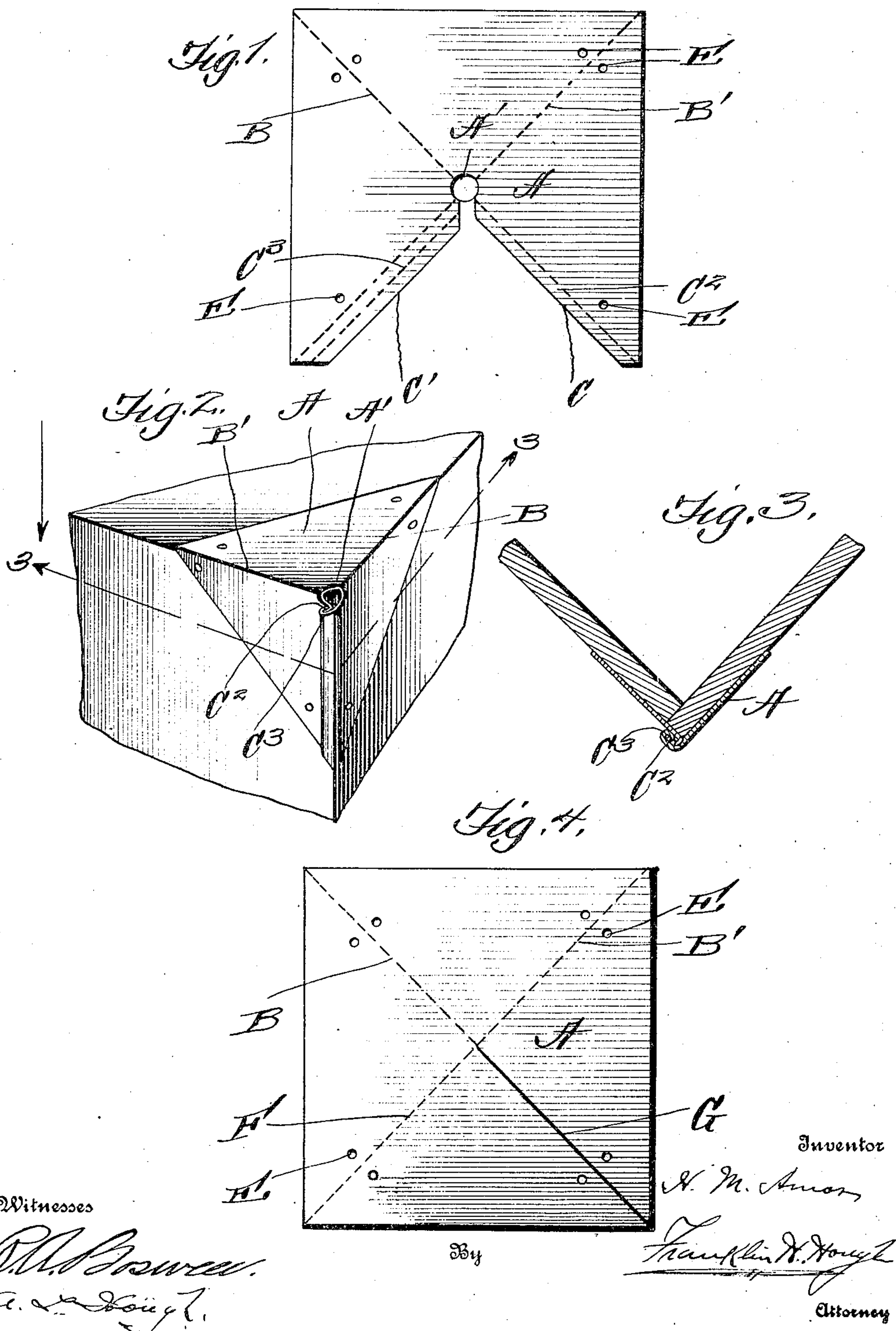
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PATENTED MAY 5, 1908.

H. M. AMOS.

REINFORCED CORNER FOR BOXES, CRATES, &c.

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UNITED STATES PATENT OFFICE.

HARRY M. AMOS, OF LORAIN, OHIO.

REINFORCED CORNER FOR BOXES, CRATES, &c.

No. 886,462.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed September 12, 1906. Serial No. 334,334.

To all whom it may concern:

Be it known that I, HARRY M. AMOS, a citizen of the United States, residing at Lorain, in the county of Lorain and State of Ohio, have invented certain new and useful Improvements in Reinforced Corners for Boxes, Crates, &c.; and I 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in reinforcing corners for boxes, crates, etc., and the object of the invention is to produce a simple and efficient device of this nature comprising a metallic plate which is bent in pyramidal shape and adapted to engage three of the faces of a box or crate adjacent to the corner, and when securely fastened thereto, afford a simple and efficient means for reinforcing the box or crate and thoroughly bracing the same.

My invention comprises various details of construction and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claims.

I illustrate my invention in the accompanying drawings, in which:—

Figure 1 is a blank of metal from which my reinforcing corner is made, showing an opening at the center which will come at the apex of the device when formed. Fig. 2 is a perspective view showing the device applied to a corner of a box. Fig. 3 is a sectional view through the box and reinforcing corner, and Fig. 4 is a detail view of a slightly modified form of my corner reinforcing device, showing two of the sides of the corner overlapping each other.

Reference now being had to the details of the drawings by letter, A designates a blank of metal which may be of any size or shape, preferably square, and, in the form shown in Fig. 1 of the drawings, an opening A' is formed at the center of the blank, and when the device is formed into a pyramid shape to engage the corner of a box or crate, the blank

is bent at right angles along the lines indicated by B and C', while the blank is cut or severed along the lines indicated by letters C and C'. One of the edges of the blank along the cut C is bent to form a hook C² adapted to engage a similar flange or hook C³ formed on the edge designated by letters C', the two flanges or hooks C² and C³ being adapted to interlock to form a corner of pyramid shape, having three angled faces thereto, with the opening A' at the apex thereof. Apertures E are formed along the marginal edges of the blank, preferably with the bur edges of said apertures upon the inner face of said corner piece, thereby affording a means for holding the device in place.

In Fig. 4 of the drawings, I have shown a slight modification of my corner reinforcing device in which, instead of cutting away a portion of the blank, I bend the blank along the lines B, B' and F, while a single slit G is formed in alinement with the bend B, and extending from the center to the corner, and when the blank is bent along the lines indicated, two of the faces of the blank overlap each other, and registering apertures for the reception of nails or other fastening means are formed in the faces which overlap and adjacent to their outer edges, whereby the device may be further reinforced. If desired, the central aperture or opening may be dispensed with, making a pointed apex, although, in order to prevent bruising the apex, it may be found preferable to form the blanks with the opening as shown and described. While I have shown the edges of the reinforcing corner pieces cut straight, it will be understood that they may be formed in irregular or fancy outlines, if desired.

By the provision of a reinforcing device for corners of boxes or crates as shown, it will be observed that a simple and efficient means is afforded which will not only protect the corners of the box or crate from injury, but also reinforce and brace the same against rough handling incident to shipping devices of this character.

What I claim is:—

A reinforcing device for the corners of boxes, crates, etc., comprising, in combina-

tion with a box, a triangular face cap having
an apertured apex through which a corner of
the box is adapted to pass in order to form a
cushion means therefor, said cap having in-
5 terlocking flanges along one of the corners of
the box to which the device is secured, as set
forth.

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

HARRY M. AMOS.

Witnesses:

A. B. CRISP,

J. D. SCHRECONGOST.