

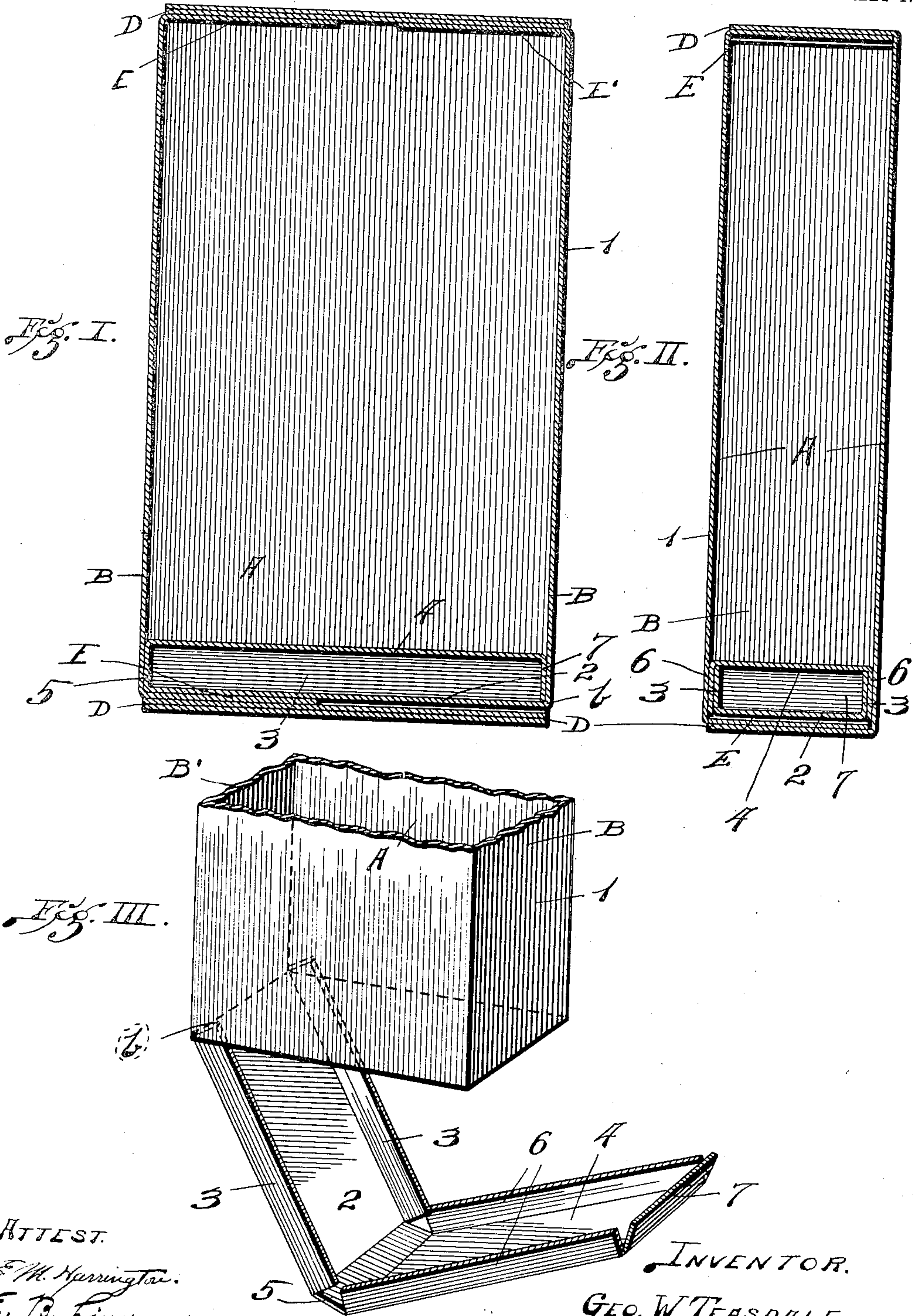
G. W. TEASDALE.
CARTON.

APPLICATION FILED MAR. 22, 1909.

Patented Nov. 2, 1909.

2 SHEETS—SHEET 1.

938,799.



ATTEST.
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C. B. Linn

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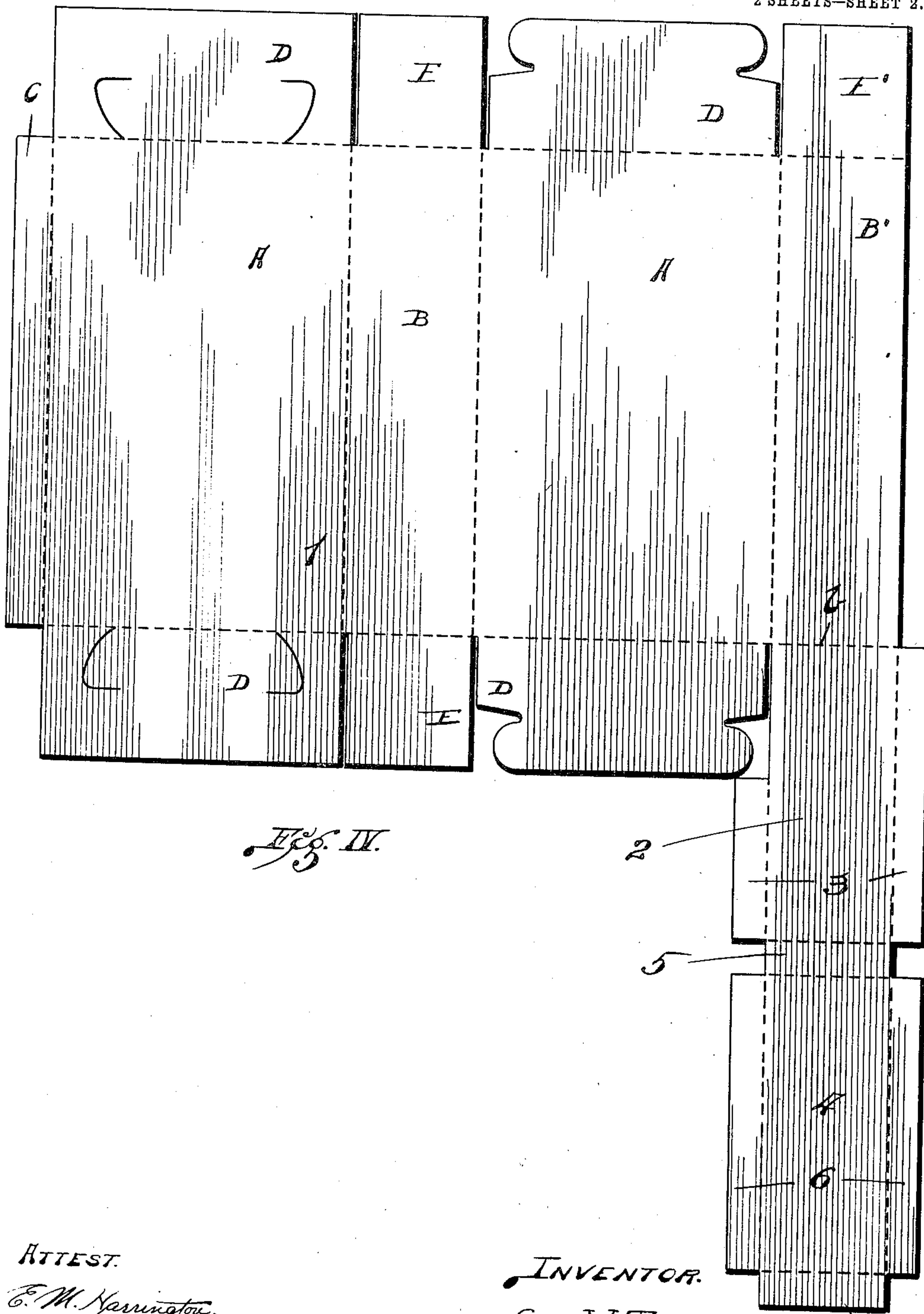


Fig. IV.

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CARTON.

938,799.

Specification of Letters Patent.

Patented Nov. 2, 1909.

Application filed March 22, 1909. Serial No. 484,909.

To all whom it may concern:

Be it known that I, GEORGE W. TEASDALE, a citizen of the United States of America, residing in the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Cartons, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to cartons, or containers, made of pasteboard or heavy paper, and has for its object the production of a carton that may be folded for transportation and unfolded for use, and in which provision is made to prevent the collapsing of the carton when it is in use in its unfolded condition.

Figure I is a vertical longitudinal section through my carton in unfolded condition. Fig. II is a vertical cross section through the carton in unfolded condition. Fig. III is a perspective view of an end portion of the carton with reinforcing sections withdrawn from the body of the carton. Fig. IV is a plan view of the blank from which the carton is produced.

In the accompanying drawings: 1 designates the body of my carton. This body comprises the parts shown in Fig. IV, namely: side sections A, end sections B and B', a side flap C, top and bottom flaps D carried by the side sections, top and bottom flaps E carried by the end sections B, and a top flap E' carried by the end section B'. The several sections and flaps mentioned are adapted to be folded on the dotted lines separating the sections from each other and the flaps from the sections in order that the body of the carton may be produced from the blank shown in Fig. IV, and be sealed or closed by the several flaps, with the exception of the bottom of the carton which is closed by reinforcing members to be herein- after described.

2 designates a main reinforcing member that is carried by the end section B' of the carton body and is hinged to said section at the point indicated by the letter *b*, (see Figs. III and IV,) in order that said reinforcing member may move into a position within the body of the carton when the carton is unfolded or be in a position exterior of said body when the carton is folded. At the sides of the main reinforcing member 2 are wings

3 that are adapted to occupy positions at right angles to the plane of the member 2 when said member is introduced into the carton body and which may be folded outwardly into the plane of the member 2 when the carton is to be folded.

4 is a supplemental reinforcing member that is united to the main reinforcing member by the hinge piece 5 interposed between the said members. At the sides of the supplemental reinforcing member are wings 6, and at the outer end of said member is a wing 7. The wings 6 and 7 are adapted to be disposed at right angles to the plane of the member 4 in a manner similar to the wings 3 of the main reinforcing member 2, or to be extended outwardly into the plane of said supplemental member.

When the herein described carton is in a folded condition, the walls of the body of the carton lie flat against each other after the carton has been folded, while the reinforcing members 2 and 4 extend in a line from the end of the folded carton body with their wings lying flat in the planes of the members. Then, when the carton is to be put into service, the carton body is unfolded and the wings 3, 6 and 7 of the reinforcing members are moved into positions seen in Fig. III. The supplemental reinforcing member 4 is then swung upwardly and inwardly toward the main reinforcing member whereby the side wings 6 of the supplemental members are passed into positions between the side wings 3 of the main reinforcing member, and the end wing 7 is moved to the inside face of the main reinforcing member at its end that is united to the carton body. The two reinforcing members with their wings are next inserted into the open end of the carton body by swinging the members on the hinge provided at the point *b* until these parts assume the positions seen in Figs. I and II. After the reinforcing members have been set within the carton body, as explained, the closing flaps at the end of the body at which the reinforcing parts are located are folded inwardly and secured to each other, thereby confining the reinforcing parts in order that they may be retained in position and perform the office of preventing the collapse of the carton body.

While I have shown and described my reinforcing means as applied to only one end

of the body of a carton, it is obvious that this means may be applied to both ends of the carton.

I claim:

5 1. In a carton, a body, a main reinforcing member hinged to said body at an end thereof, and a supplementary reinforcing member hinged to said main reinforcing member, both of said members being adapted to be
10 folded into said body and being contiguous to each other at one end of said body when folded thereinto.

2. A carton comprising a body, a flanged main reinforcing member hinged to said
15 body at an end thereof, and a supplementary reinforcing member hinged to said main reinforcing member, both of said reinforcing members being adapted to be folded into said body and being contiguous to each
20 other at one end of said body when folded thereinto.

3. A carton comprising a body, a main reinforcing member hinged to said body at an end thereof, and a flanged supplementary
25 reinforcing member hinged to said main reinforcing member, both of said members being adapted to be folded into said body and being contiguous to each other at one end of said body when folded thereinto.

30 4. A carton comprising a body, a flanged main reinforcing member hinged to said body at an end thereof, and a flanged supplementary reinforcing member hinged to said main reinforcing member, both of said
35 reinforcing members being adapted to be folded into said body and being contiguous

to each other at one end of said body when folded thereinto.

5. A carton comprising a body, a main reinforcing member hinged to said body at
40 an end thereof, a hinge piece carried by said main reinforcing member, and a supplementary reinforcing member carried by said hinge piece, both of said members being adapted to be folded into said body and
45 being contiguous to each other at one end of said body when folded thereinto.

6. A carton comprising a body, a flanged main reinforcing member hinged to said
50 body at an end thereof, a hinge piece carried by said main reinforcing member, and a flanged supplementary reinforcing member carried by said hinge piece, both of said members being adapted to be folded into said body and being contiguous to each other
55 at one end of said body when folded thereinto.

7. A carton comprising a body, a main reinforcing member hinged to said body at
60 an end thereof and provided with side wings, and a supplementary reinforcing member carried by said main reinforcing member and provided with side flanges and an end flange, both of said members being adapted to be folded into said body and
65 being contiguous to each other at one end of said body when folded thereinto.

GEO. W. TEASDALE.

In presence of—

E. B. LINN,

E. M. HARRINGTON.