

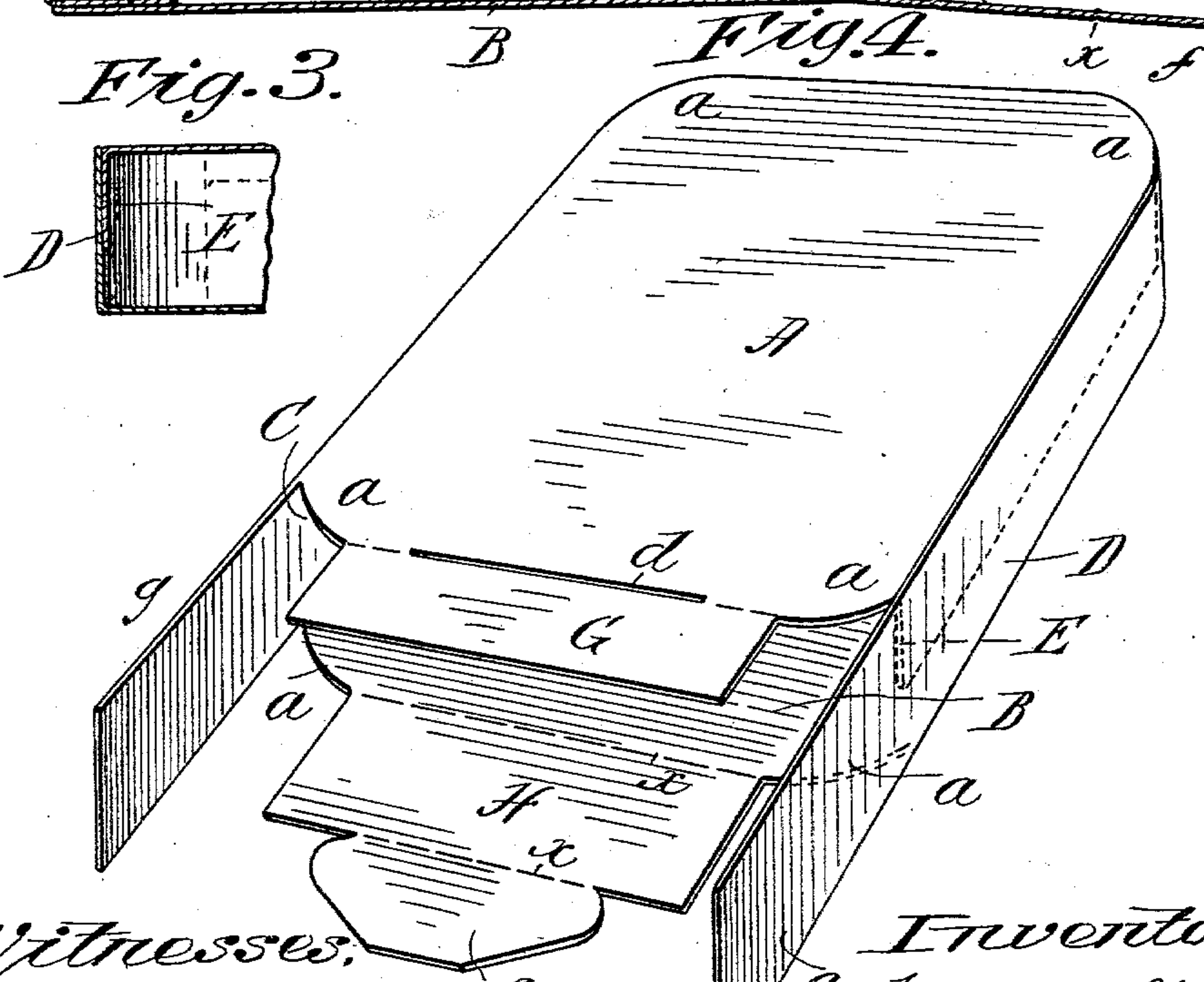
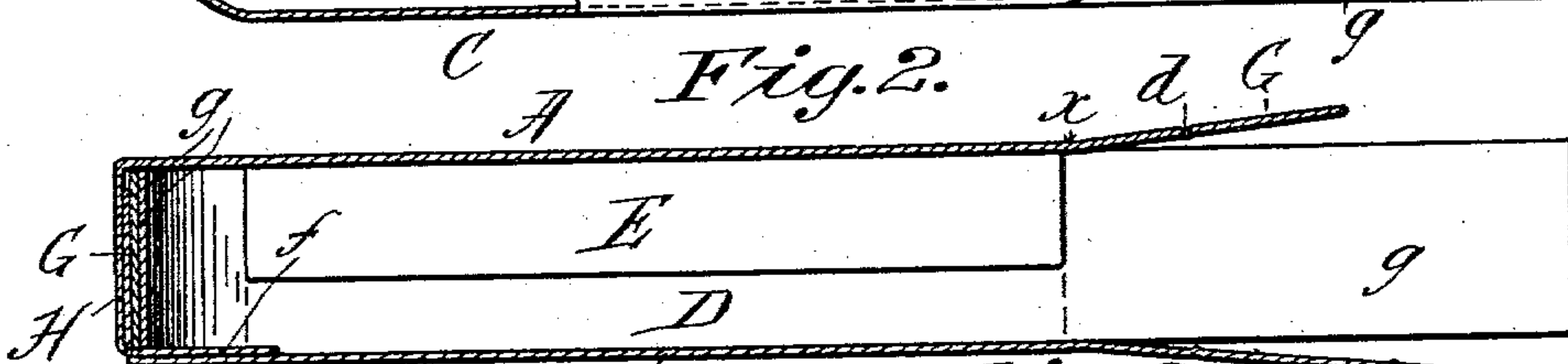
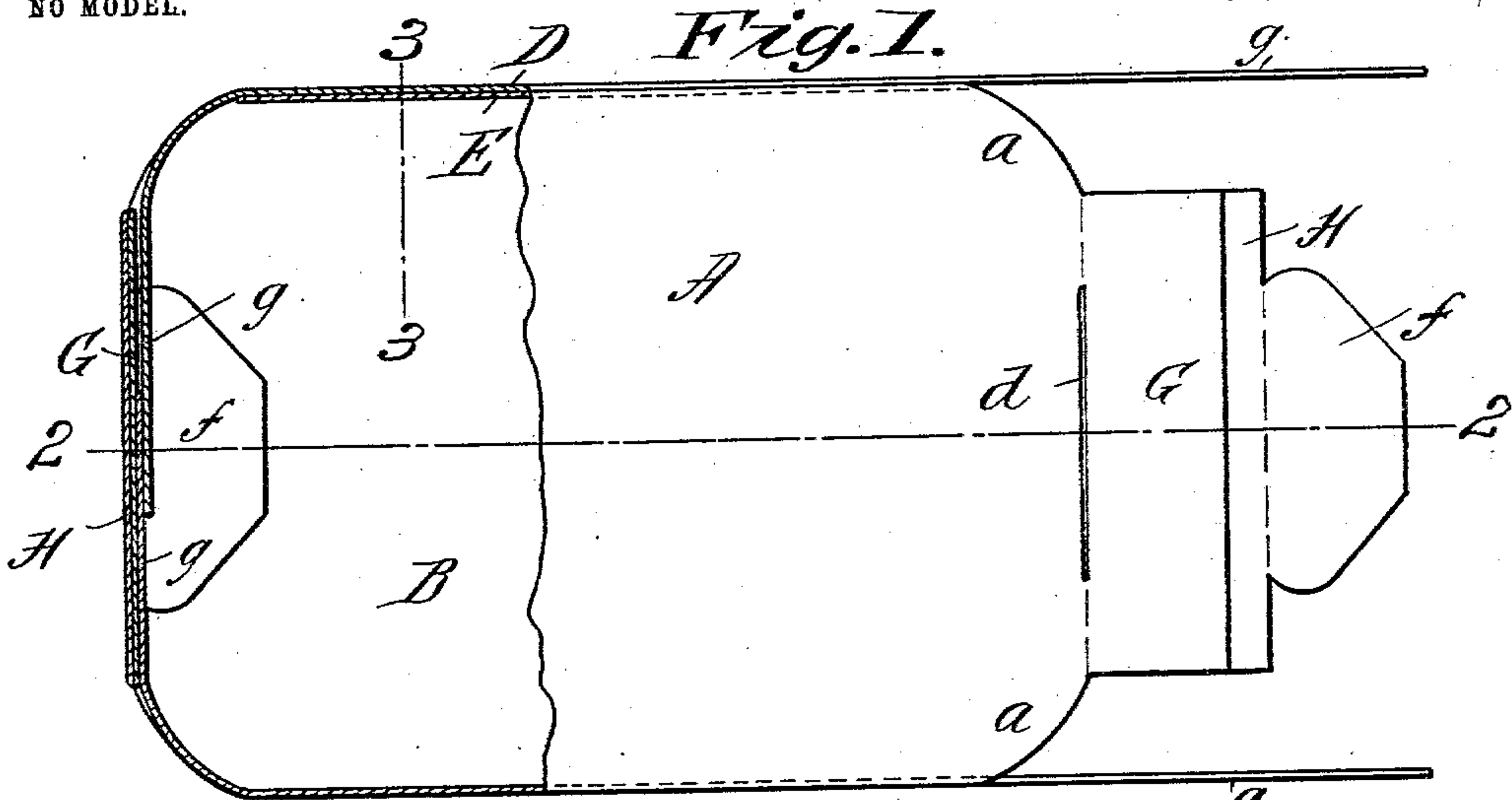
No. 720,894.

PATENTED FEB. 17, 1903.

F. D. CLEVELAND.
PAPER BOX OR CARTON.
APPLICATION FILED OCT. 30, 1902.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses:
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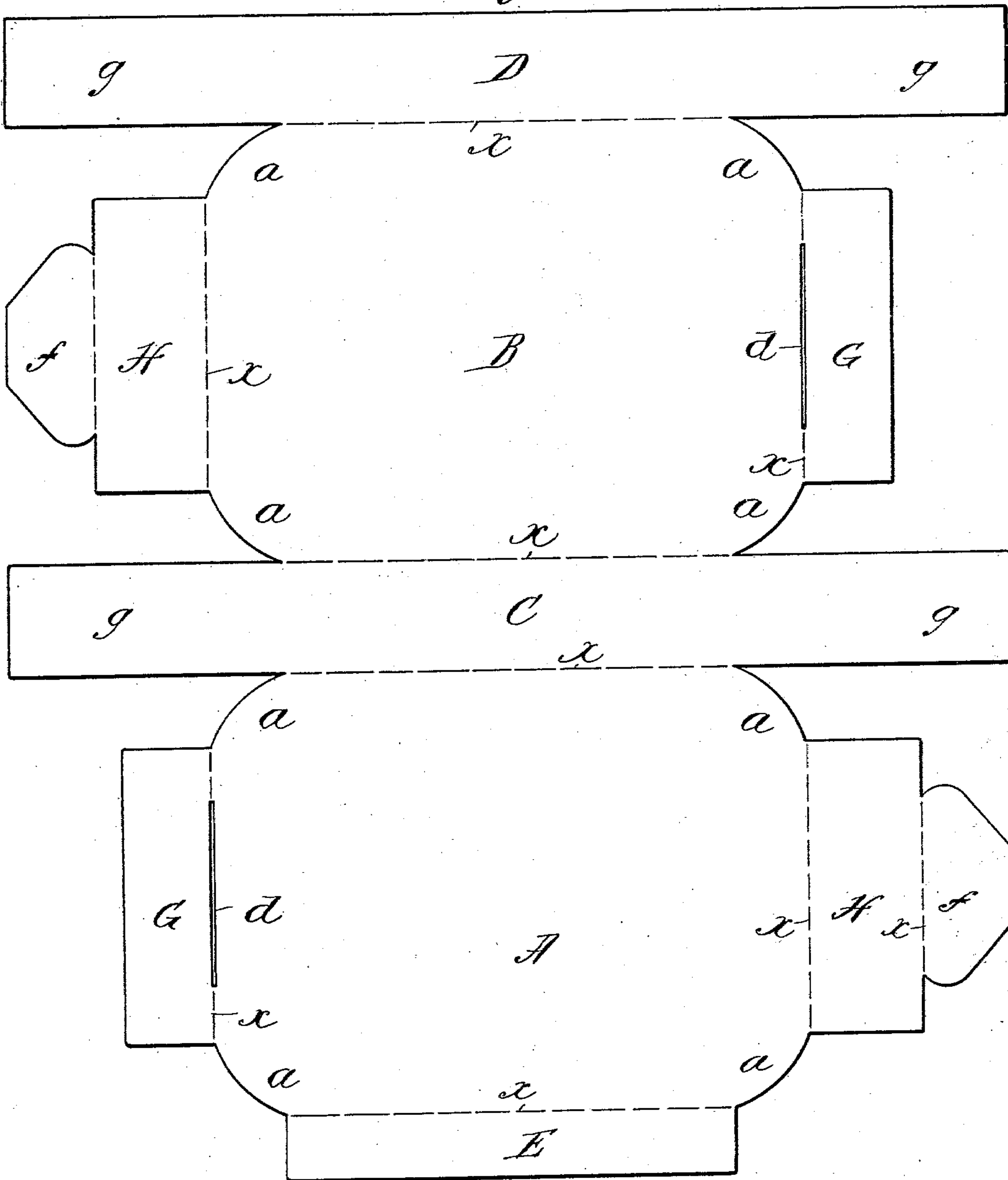
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2 SHEETS—SHEET 2.

Fig. 5.



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UNITED STATES PATENT OFFICE.

FRANCIS D. CLEVELAND, OF WINCHESTER, MASSACHUSETTS.

PAPER BOX OR CARTON.

SPECIFICATION forming part of Letters Patent No. 720,894, dated February 17, 1903.

Application filed October 30, 1902. Serial No. 129,381. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS D. CLEVELAND, a citizen of the United States of America, and a resident of Winchester, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Paper Boxes or Cartons, of which the following is a full, clear, and exact description.

10 This invention relates to an improved carton or paper box adapted to contain and to itself conform to the shape of a sardine-box, which is usually made of tin and has its four corners rounded or of quadrantal form; 15 and the invention resides in a single blank peculiarly constructed with top, bottom, and side forming sections, a stay-section, flaps to constitute closures for the opposite ends of the box, slits formed within the area of the 20 blank, suitable end portions thereof, and tongues for engagements through said slits; and the invention furthermore resides in a box composed of a blank, such as hereinabove referred to, properly bent to bring the various 25 sections and flaps into the proper relations with each other and having the stay-section of the blank disposed facewise against and secured to one of the side-forming sections, and all substantially as hereinafter fully 30 described in connection with the accompanying drawings and specified in the claims.

In the drawings, Figure 1 is a plan view of the paper box or carton adapted to contain a sardine-box and to be conformable to the shape 35 thereof, one end thereof being indicated as closed and in horizontal section, while the other end thereof is shown as having its end-closing portions as yet remaining open. Fig. 2 is a vertical longitudinal section of the carton shown in Fig. 1 as taken on the line 2 2, 40 Fig. 1. Fig. 3 is a vertical cross-sectional view as taken at one edge portion of the box on the line 3 3, Fig. 1. Fig. 4 is a perspective view of the carton as in the condition represented in Figs. 1 and 2. Fig. 5 is a plan view 45 of the cardboard blank comprising one piece of the material from which the carton is produced.

Similar characters of reference indicate corresponding parts in all of the views. 50

The carton and the blank from which the said carton is made comprise the top and bottom forming sections A and B, of equal size and general rectangular shape, they having, however, the four quadrantal corners *a a a*, the opposite side-forming sections C and D, the one C being between and joining the top and bottom forming sections, while the one D is edgewise beyond the longitudinal edge of the other one of said first-named 60 sections, and the said comparatively narrow side-forming sections C and D have the opposite endwise-extended flaps *g g*, which project considerably beyond the ends of the top and bottom forming sections. One of the 65 first-named sections, in the present instance the one A, has at its longitudinal edge the lengthwise-ranging stay-section E, and each of said top and bottom forming sections has at its one end a flap G and at its other end a 70 flap H, which, furthermore, has a somewhat shorter tongue *f*, and said flaps G and H are themselves shorter than the width of the top and bottom forming sections A and B, the ends of these flaps having their junction with 75 the first-named main sections at or near the points where the quadrantal corners merge into straight lines of boundary for each end of the main section proper, and along the straight line of junction of each flap G with 80 the top and bottom, constituting sections A and B, respectively, is a straight slit *d* for the engagement therethrough of the tongue *f*, endwise oppositely arranged.

x x represent the straight right-angularly- 85 arranged several folding-lines on which the various sections, flaps, and tongues are folded to assume relations in planes at right angles one with another.

The carton is folded on the longitudinal 90 creases or folding-lines and the stay-section E disposed facewise against and permanently stuck with glue or paste or otherwise secured to the section at the opposite edge of the carton, which makes one of its long sides. The 95 extension-flaps *g g* of the side-forming sections C and D are bent around so that the inner portions thereof have quadrantal contours, while the end portions thereof are superimposed. The end flaps G are right-an- 100

gularly turned inward on the folding-lines coincident with the slits *d*. The end flaps H relatively opposite those G are likewise in-
 5 G, the tongues *f* being engaged through the slits *d*, which in the closed condition of the box have their locations at the junctions of the top and bottom and ends.

The flaps *g g*, bent around to conform to
 10 the rounded contour at the corners of the box, constitute the closing means at and for the corners.

Having thus described my invention, what I claim, and desire to secure by Letters Pat-
 15 ent, is—

1. A box or carton having round corners, formed from a single blank comprising top and bottom forming sections A and B, having the quadrantal corners *a a a a*, side-forming
 20 section C intermediate between the sections A B, and opposite side-forming section D at the longitudinal edge of one of the side-forming sections, a stay-section E at the longitudinal edge of the other side-forming section, each
 25 said side-forming section A and B having at the ends thereof, flaps G and H which are shorter than the width of the side-forming sections, the blank having slits *d* along its line of junction with the ends of the side-
 30 forming flaps which slits are of less length than the length of said flaps G, and each flap H having a tongue *f*, the sections A, B, C,

and D being bent to right-angular relations, and the flap E being facewise disposed against the section D and connected thereto. 35

2. A box or carton having round corners, formed from a single blank comprising top and bottom forming sections A and B, having the quadrantal corners *a a a a*, side-forming
 40 section C intermediate between the sections A B, and opposite side-forming sections D at the longitudinal edge of one of the side-forming sections, and a stay-section E at the longitudinal edge of the other side-forming section, each said section C and D having oppo-
 45 sitely-extended end flaps *g g*, each said side-forming section A and B having at the ends thereof, flaps G and H, which are shorter than the width of the side-forming sections, the
 50 blank having slits *d* along its line of junction with the ends of the side-forming flaps, which are of less length than the length of said flaps G, and each flap H having a tongue
 55 *f*, the sections A, B, C, and D being bent to right-angular relations, and the flap E being facewise disposed against the section D and connected thereto.

Signed by me at Boston, Massachusetts, in presence of two subscribing witnesses.

FRANCIS D. CLEVELAND.

Witnesses:

ARTHUR I. NASH,
 EDWARD A. PRICHARD.