

No. 640,451.

Patented Jan. 2, 1900.

F. DANZENBAKER.
CARTON OR PACKING BOX.

(Application filed Nov. 11, 1898.)

(No Model.)

Fig. 1.

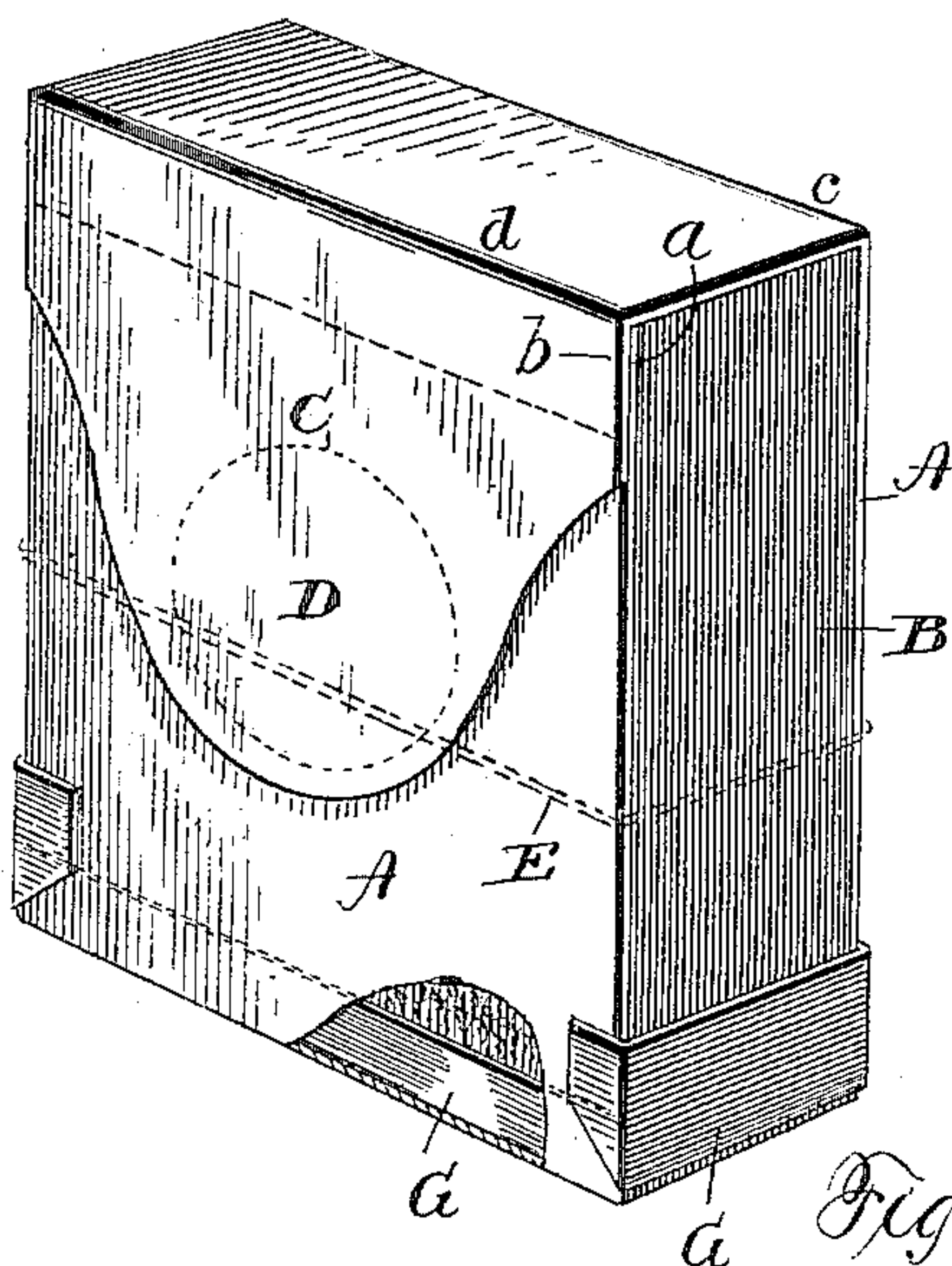


Fig. 2.

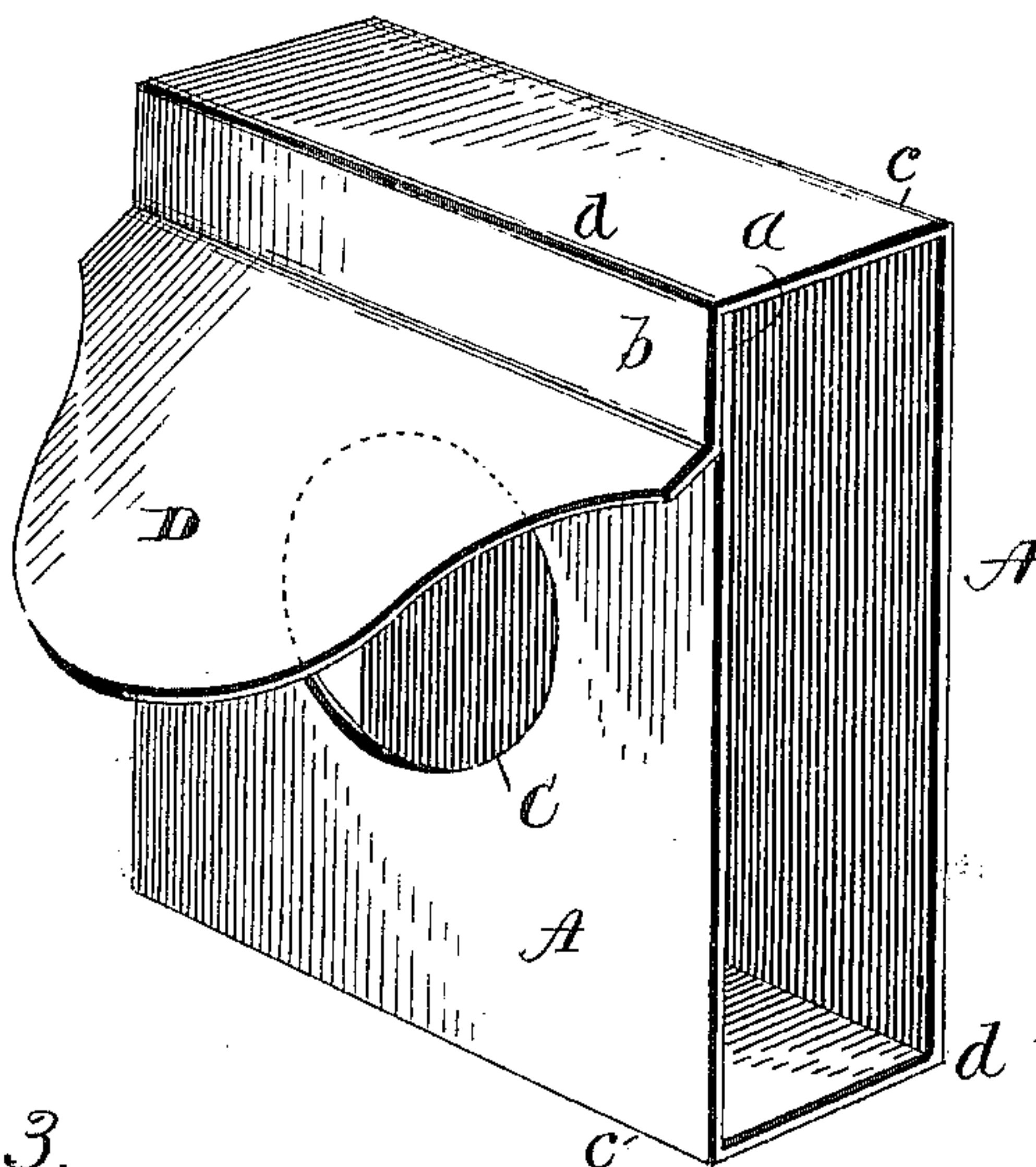


Fig. 3.

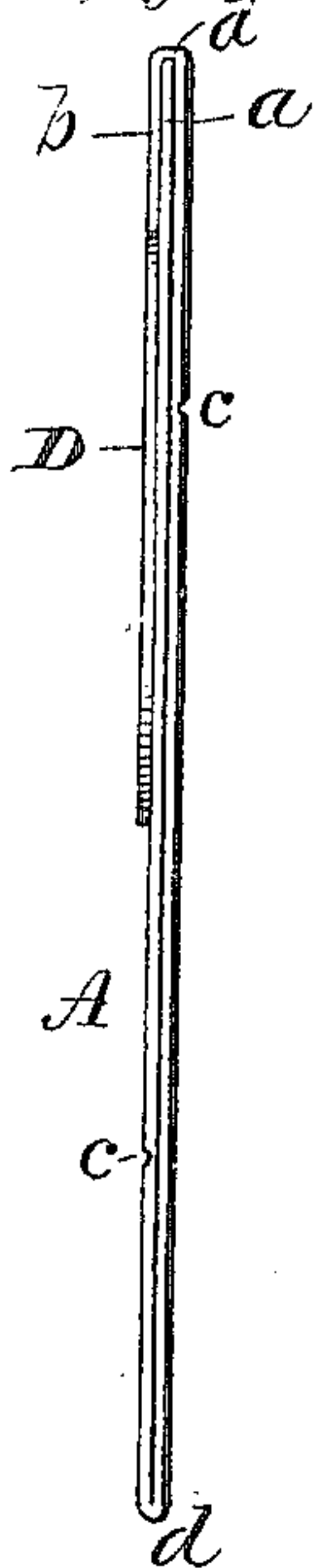


Fig. 5.

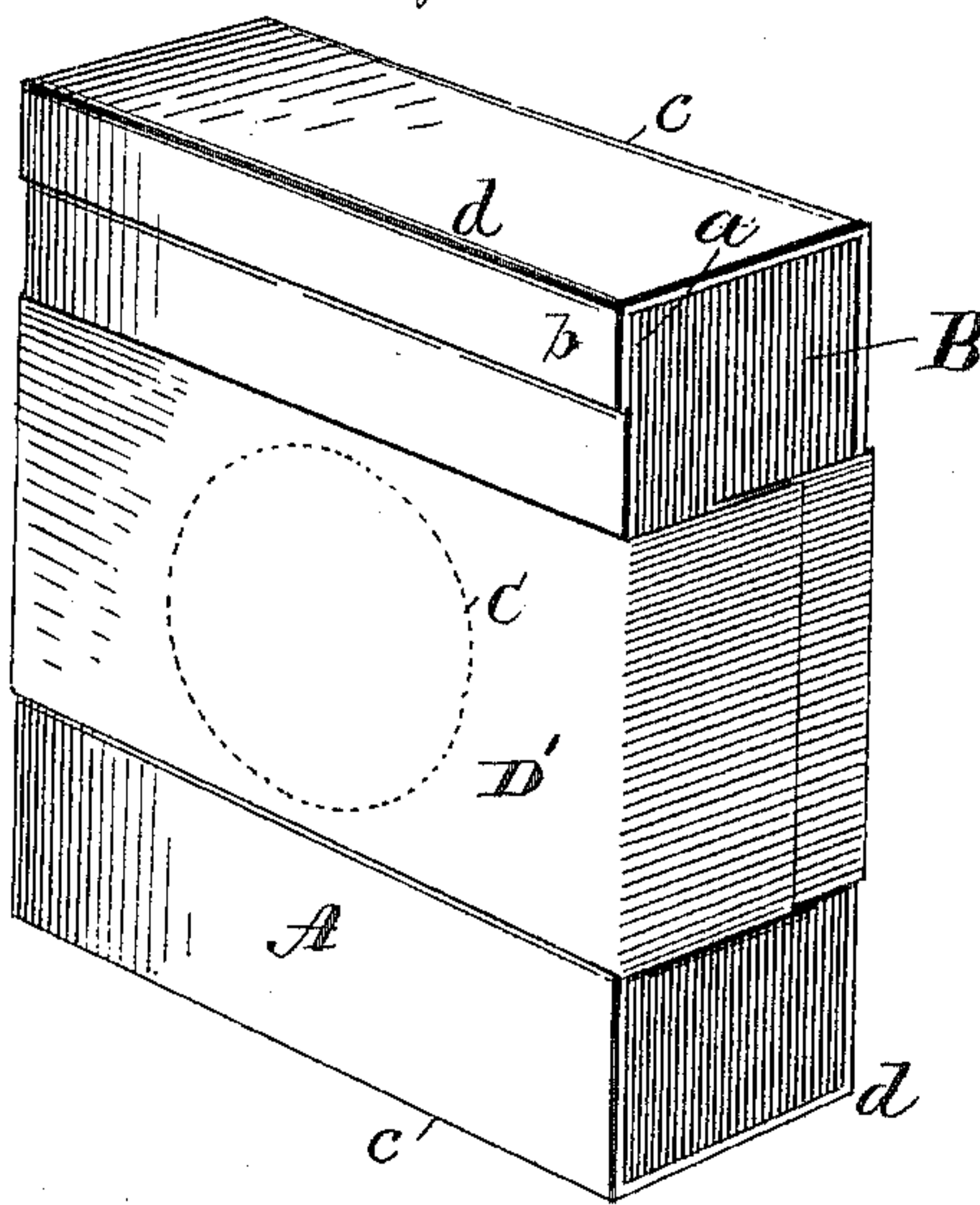
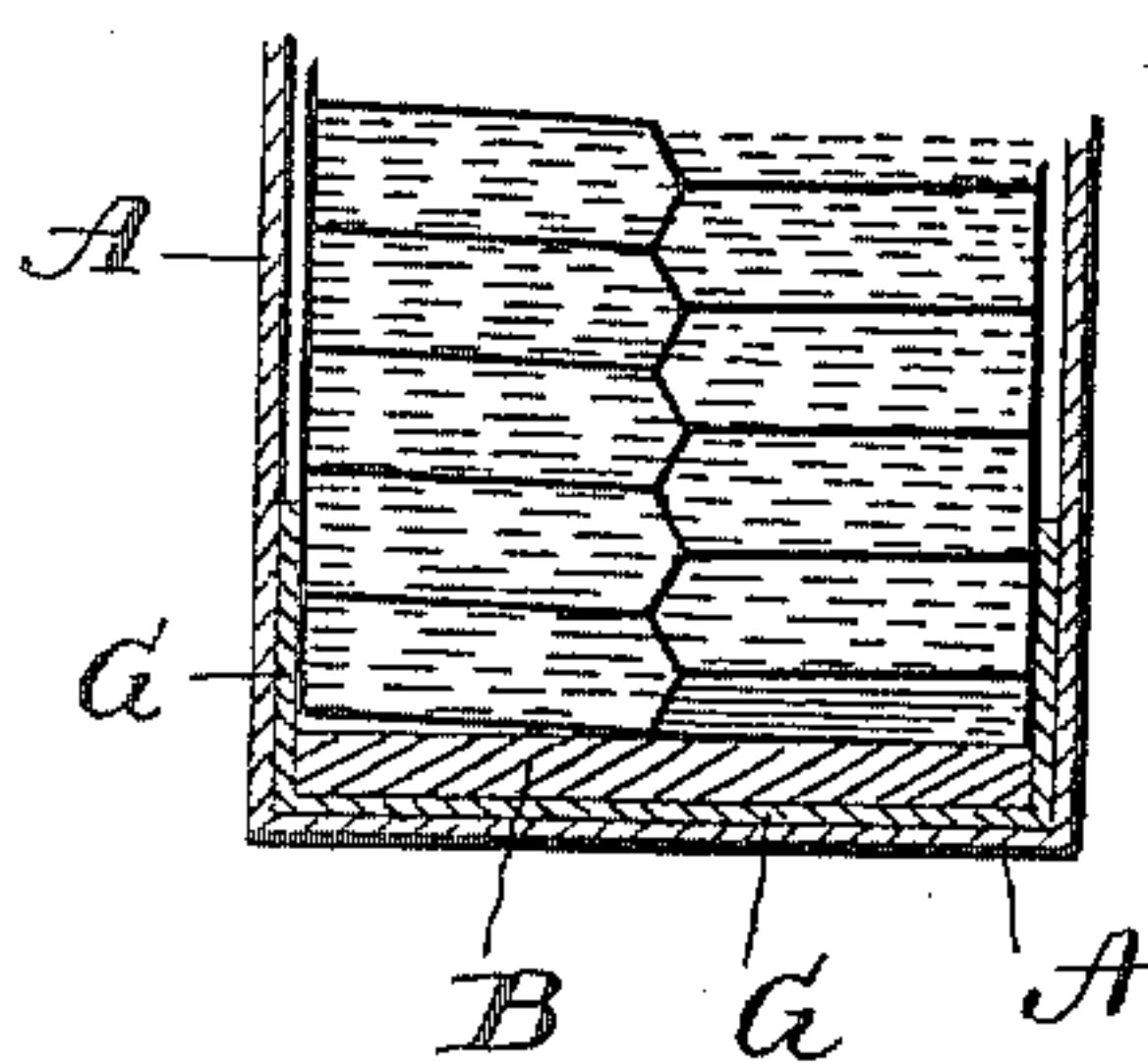


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

FRANCIS DANZENBAKER, OF WASHINGTON, DISTRICT OF COLUMBIA.

CARTON OR PACKING-BOX.

SPECIFICATION forming part of Letters Patent No. 640,451, dated January 2, 1900.

Application filed November 11, 1898. Serial No. 696,154. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS DANZENBAKER, a citizen of the United States, residing at Washington, in the District of Columbia, have
5 invented certain new and useful Improvements in Cartons or Packing-Boxes; 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
10 it appertains to make and use the same.

The object of my invention is to provide a carton or packing-box that while being of easy and cheap manufacture will satisfactorily serve its intended purpose; and to this
15 end the invention consists in the carton or box having the features of construction hereinafter specified and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my box or carton, in the
20 form that I prefer to construct it, shown as inclosing a section of honey; Fig. 2, a like view of the same, shown empty, with the flap or cover partially raised to disclose the display or sight opening; Fig. 3, an elevation of
25 the carton collapsed. Fig. 4 is a detail view in section through the lower part of the device as shown in Fig. 1, and Fig. 5 is a similar view of a different embodiment of the invention.

30 The object I have had particularly in view is the provision of cartons or boxes for sections of honey that will constitute complete protecting means for the latter when in stores for sale and in being handled and carried
35 and yet enable the honey to be readily inspected for the satisfaction of the intended purchaser. Honey, as is well known, is sold in the sections in which it is stored by the bees, which sections consist of four-sided
40 frames that expose the honey on two sides. The honey thus exposed is in danger of being injured by the accidental breakage of the cappings which close the outer ends of the cells and by insects and dust.

45 In making my box or carton I give it the form of a box A, that covers the honey on the two sides and covers the top and bottom of the section, but not the ends thereof, the covering of the latter not only being unnecessary,
50 but objectionable for a number of reasons. It would complicate the construction of the

box, require more material in its manufacture, and by adding the double thickness of material at the two ends would require alteration in the size of the shipping-cases, which
55 are made to standard sizes adapted to receive, with no excess of room from side to side, sections placed end to end that are also of standard size. While the dimensions of the shipping-cases from side to side are close to the
60 degree stated, their dimensions vertically are not so close, and hence the thickness of material on top and bottom of the sections is unobjectionable. The width I give the box A is thus the same as that of the section B, and
65 in using it the section is slipped endwise into the box. Another advantage in not covering the ends of the section is that in handling the section itself may be directly taken hold of by the hand, and there is no danger, such as
70 would be the case if the box should have to be seized, of the box-walls giving way or breaking under the weight of the honey and the section and honey falling out.

To enable the honey to be readily inspected
75 without removing the same from the box, a large opening C is made in one or both walls of the box. For covering said opening I provide a suitable cover, which may be readily
80 moved to and from the opening.

In its simplest and cheapest form my box or carton is made, as shown in Figs. 1 and 2, of a single piece of paper or pasteboard, so as to constitute in an integral part or piece the casing and the cover D for the opening C and
85 the end *a*, the paper or board being pasted to an intermediate portion *b*, extending a short distance from the top of the box down its front wall, the other end of the piece of stock being thus free and forming the cover D.
90 By this construction a minimum quantity of material is used in making the box, and as but a single thickness of material exists at each corner, where the material is folded, it can be very easily folded and will form clear
95 sharp corners and keep its shape. Facility of bending at *c* and *c* to form at least two corners is important, because as made and ready for use the carton is collapsed with its two side walls against each other and bends at
100 two points *d* and *d*, that form diagonally opposite corners in the opened-out carton—that

is, when it is ready to receive the section of honey.

To hold the cover D closely over the opening C, a rubber band or cord E may be employed, that is passed around the box and section in position to engage the cover.

As shown in Fig. 5, the hinged flap may be omitted, and in its place may be used a cover D', that consists of a band of paper passed around the carton, with its ends overlapped and gummed together. Preferably this band is free from the carton and section, so that it may be readily slid back and forth to uncover and cover the opening C; but it may be pasted to the carton or section at a single point, so that it may be readily detached to permit exposure of the opening C, and then again pasted, gum being applied to it for this purpose.

To provide for the contingency of the breakage of some of the cell-caps and consequent running of honey down to and out of the bottom of the box, making it unpleasant and objectionable to handle and involving loss of honey, I place the bottom of the section in a shallow cup or receptacle G, formed of thin waxed or waterproof paper. A convenient way of forming this cup is to fold the two sides of the paper up alongside the respective exposed sides of the honey and then fold the ends thereof against the ends of the section, lapping each corner over the outside of the box and pasting it thereto. The cup, by the pasting of the corners to the box sides, is useful as a means to hold the section and box together and obviates the danger of injury to the honey by the careless pulling of the section out of the box and hasty thrusting it back again, which would be possible were there no such connection between the section and box. The cup need be fastened at no other point with either box or section, or, if desired, it can be secured to one or the other parts in addition, as, for instance, being

pasted to the bottom of the section before the latter is placed in the box.

It will be seen that by the use of the cover or flap for the display-opening C, I avoid the necessity for using glass or mica for said opening, the use of which is not only an addition to the cost and trouble of manufacture, but, by reason of the refraction and reflection of light, cannot afford the perfect inspection of the honey that an opening can which has no such medium over it.

Advertising matter can be printed upon the box, preferably upon the flap D or cover D', and it thus made an advertising medium.

What I claim is—

1. A box or carton for a section of honey formed of sheet material that is folded on parallel lines, producing front and back sides, and top and bottom, but no end walls, portions of the sheet being overlapped and united, and the front side having a suitable covered display-opening, as set forth.

2. A box or carton for a section of honey formed of sheet material that is folded on parallel lines, producing front and back sides, and top and bottom, but no end walls, portions of the sheet being overlapped only on one of the sides, with one end united to such side where there is the overlap, and the other end free, and forming a cover for a display-opening in the front side, as set forth.

3. A box or carton for a section of honey having top and bottom and two side walls, but open at its ends, and a drip-cup at the bottom thereof that extends upward alongside each side wall, and at the ends, substantially as specified.

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

FRANCIS DANZENBAKER.

Witnesses:

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