

No. 641,207.

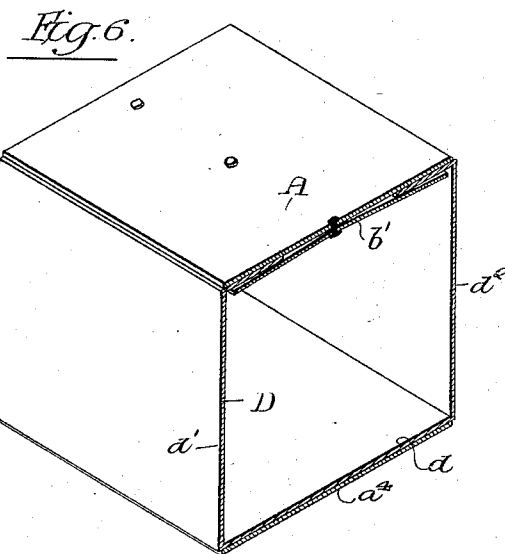
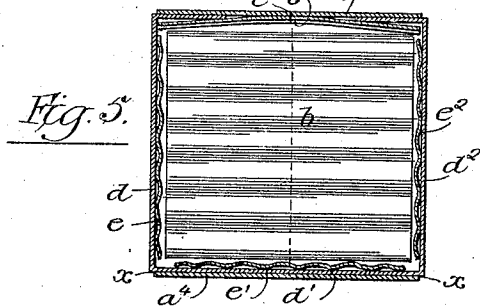
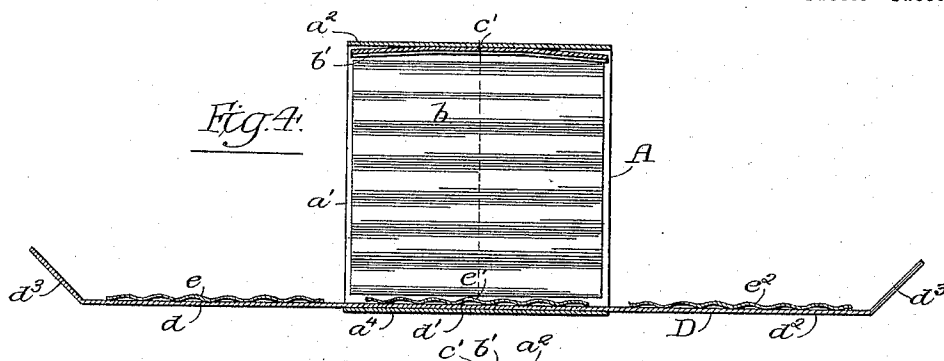
Patented Jan. 9, 1900.

H. H. HIGHAM.
PACKING BOX.

(Application filed June 3, 1898.)

(No Model.)

2 Sheets—Sheet 2.



Witnesses:—

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UNITED STATES PATENT OFFICE.

HOWARD H. HIGHAM, OF PHILADELPHIA, PENNSYLVANIA.

PACKING-BOX.

SPECIFICATION forming part of Letters Patent No. 641,207, dated January 9, 1900.

Application filed June 3, 1898. Serial No. 682,469. (No model.)

To all whom it may concern:

Be it known that I, HOWARD H. HIGHAM, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain
5 Improvements in Packing-Boxes, of which the following is a specification.

My invention relates to certain improvements in packing-boxes which are used mainly to pack fragile material, such as bottles,
10 jars, &c.

The object of my invention is to so construct the box that it can be shipped directly from the manufacturer to the dealer in a flat condition and when made up as a box it will
15 be perfectly rigid and will withstand ordinary rough usage. This object I attain in the following manner, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view showing one
20 section of the box. Fig. 2 is a perspective view showing the other section of the box. Fig. 3 is a perspective view showing the two sections united to form a complete box. Fig. 4 is a sectional view of one section placed
25 within the other ready to be folded. Fig. 5 is a sectional view showing the inner section folded and the ends secured, and Fig. 6 is a view of a modification.

Boxes of the type to which my invention
30 relates are commonly called in the trade "cartons." The boxes are as a rule packed with some suitable yielding material, so that the bottle or jar placed in the box will not be broken in transportation. These boxes must
35 be made very cheaply and are not as a rule provided with the ordinary locks common to knockdown paper boxes. Some of these cartons or packing-boxes are made of wood or heavy cardboard and are generally provided
40 with loose fluted or corrugated packing-strips placed within the box and around the article packed.

I dispense with the loose packing and fasten the yielding material to the box itself and
45 utilize one strip of this material to fasten the ends of the folded section of the box, as fully described hereinafter.

A is the outer section of the box, which in the present instance is quadrangular in shape
50 and is made in the present instance of one

strip of cardboard, the ends being secured together at *a*. On the three sides *a' a'' a'''* are secured corrugated strips of veneering *b b' b''*, attached in the present instance by a single line of stitching at the center, leaving their
55 ends free.

D is the inner section of the box, having when folded on the lines *x x* three sides *d d' d''*. On each of these sides is a single strip of veneering, (indicated by the letters *e e' e''*.)
60 These strips are secured to the section D by a line of stitching *c'*.

The form of lining I prefer to use is a thin wood veneer cut out of the solid block in the corrugated form shown, so that the strips
65 will always retain their shape.

At each end of the section D are tongues *d'''*. The section D is passed through the section A, and the portion *d'* of the said section D rests upon the portion *a''* of the section A,
70 its veneer *e'* forming the packing for this side of the box. When the article to be packed is placed in the box thus partially formed, the sides *d* and *d''* are turned up on the line *x x* and the tongue *d'''* forced in between the
75 side *a''* of the box and the veneer *b'*, as shown in Figs. 3 and 5, thus preventing the box from collapsing without other fastenings.

It will be understood that other linings may be used in place of the corrugated lining
80 shown, and in some instances the lining may be dispensed with, with the exception of a single strip, between which and the side of the box the tongues of the section D are forced. I may either secure this piece to the
85 box by stitching or by eyelets or other fastenings, and while I prefer to use simply a single line of fastenings, as shown, other fastenings may be used and arranged differently, so long as space is left for the insertion of the
90 tongues.

I claim as my invention—

1. The combination in a packing-box, of two independent sections, one section adapted to be folded and secured together to form a
95 quadrangular box having open ends, and the other section adapted to be inserted in said box-section and be folded so as to form the ends of the same, a strip secured to the inner surface of one side of the box-section, and 100

tongues carried by the other section adapted to be forced between said strip and the side of the box-section, substantially as described.

2. The combination in a packing-box, of
5 the open-ended box-section, packing strips or veneers secured to three sides of said section, a section adapted to be folded to form three sides, packing strips or veneers secured to the three sides of the same, the said section
10 being adapted to be inserted in the box-section to form the ends of the same and having tongues at each end adapted to be inserted between one of the packing-strips of the box-section and the side of the same when the
15 box is closed, substantially as described.

3. The combination in a packing-box, of a quadrangular section with open ends, corrugated packing-strips permanently secured to three sides of said section, a section having
20 tongues at each end adapted to be folded to form three sides independent of said tongues, corrugated packing-strips permanently secured to said section, the said section being adapted to be inserted in the box-section to
25 form the ends of the same and having tongues formed integral therewith adapted to a space

between one of the packing-strips of the box-section and the side of the same when the box is closed, substantially as described.

4. The combination in a packing-box, of a 30 quadrangular section with open ends, corrugated packing-strips permanently secured to three sides of said section by a line of stitches at or near the center of the packing-strips, a section having tongues at each end adapted 35 to be folded to form three sides independent of said tongues, corrugated packing-strips permanently secured to said section, the said section being adapted to be inserted in the box-section to form the ends of the same and 40 having tongues formed integral therewith adapted to a space between one of the packing-strips of the box-section and the side of the same when the box is closed, substantially as described. 45

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HOWARD H. HIGHAM.

Witnesses:

CHAS. H. BANNARD,
WILL. A. BARR.