

Feb. 14, 1933.

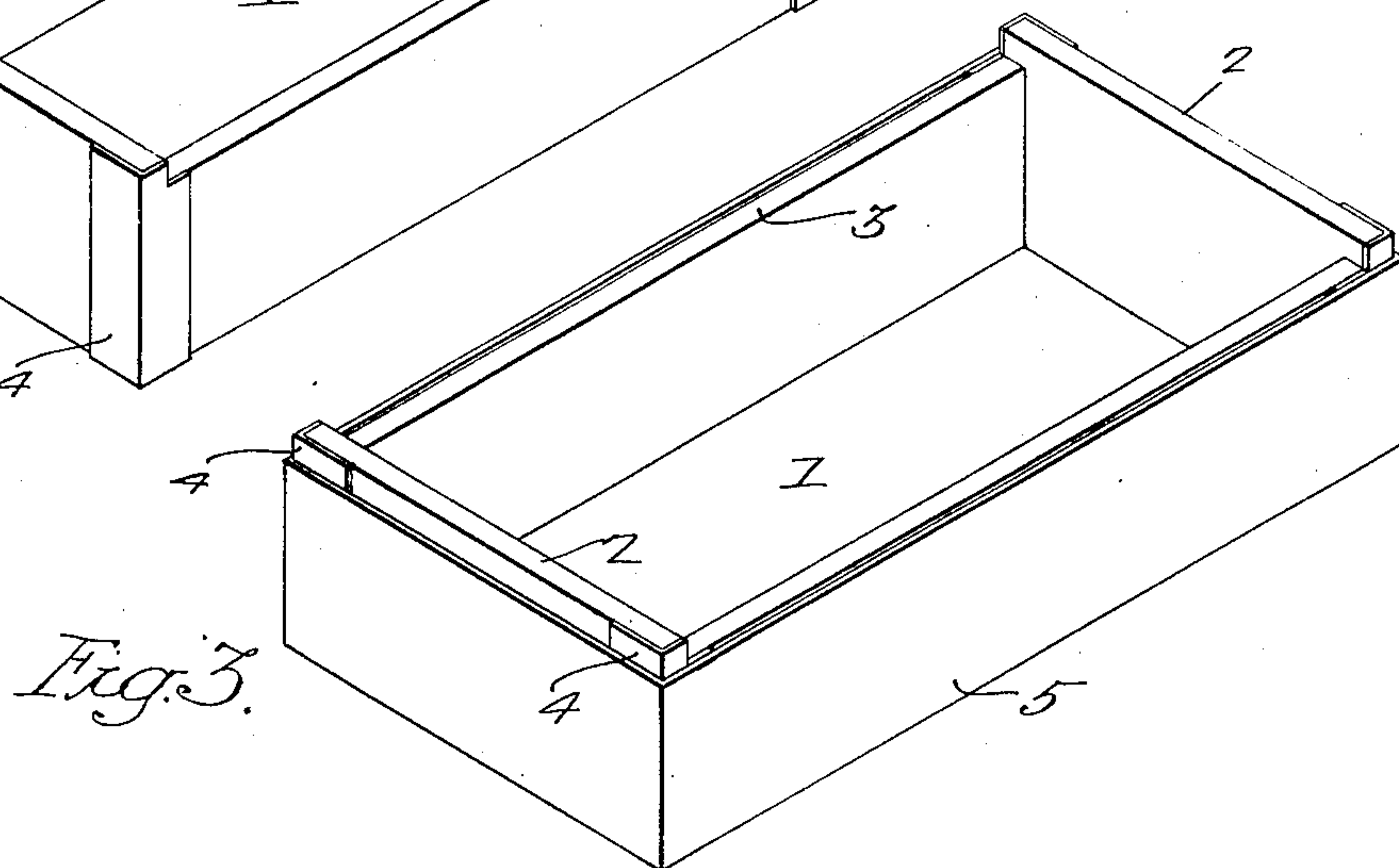
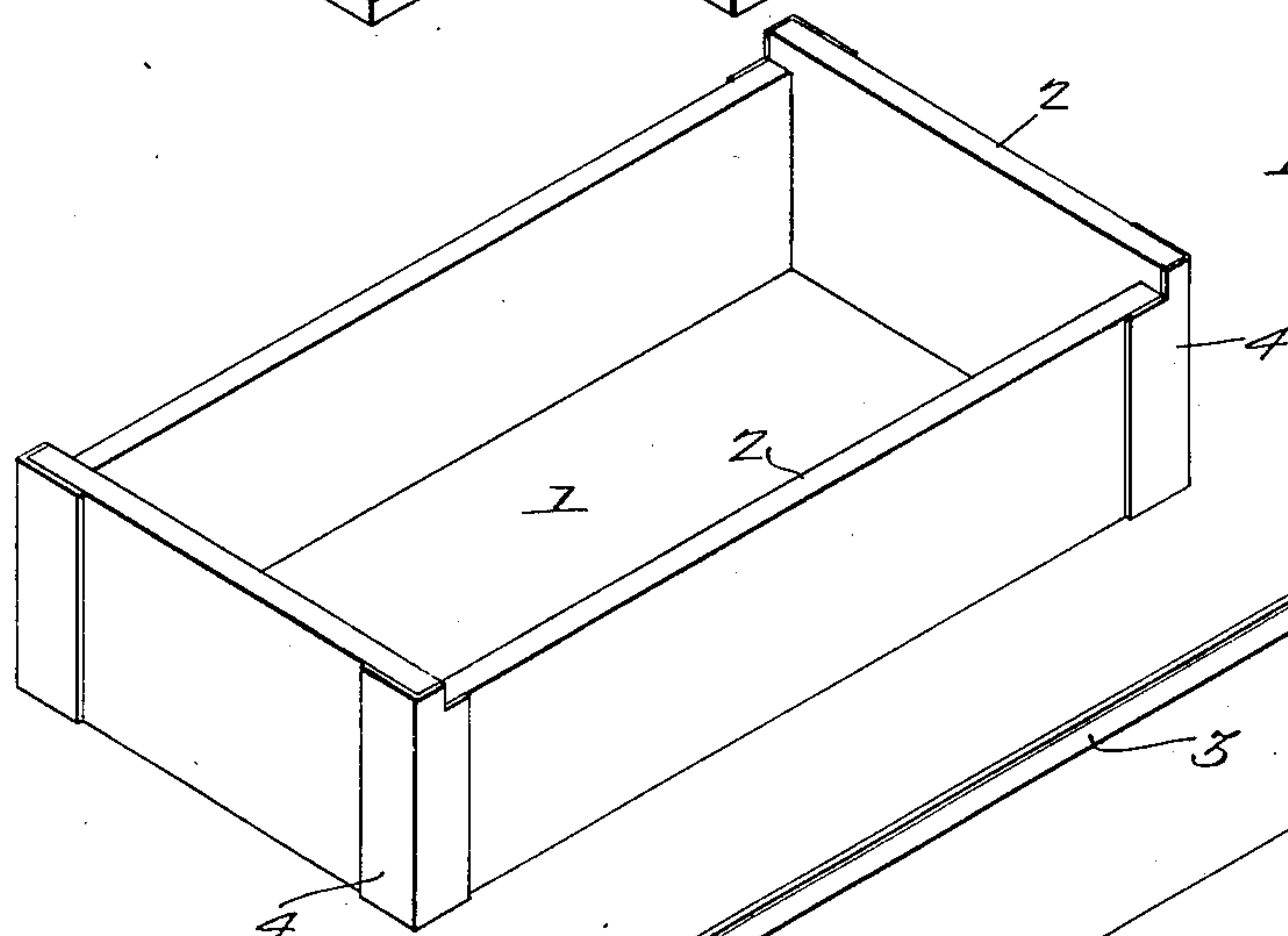
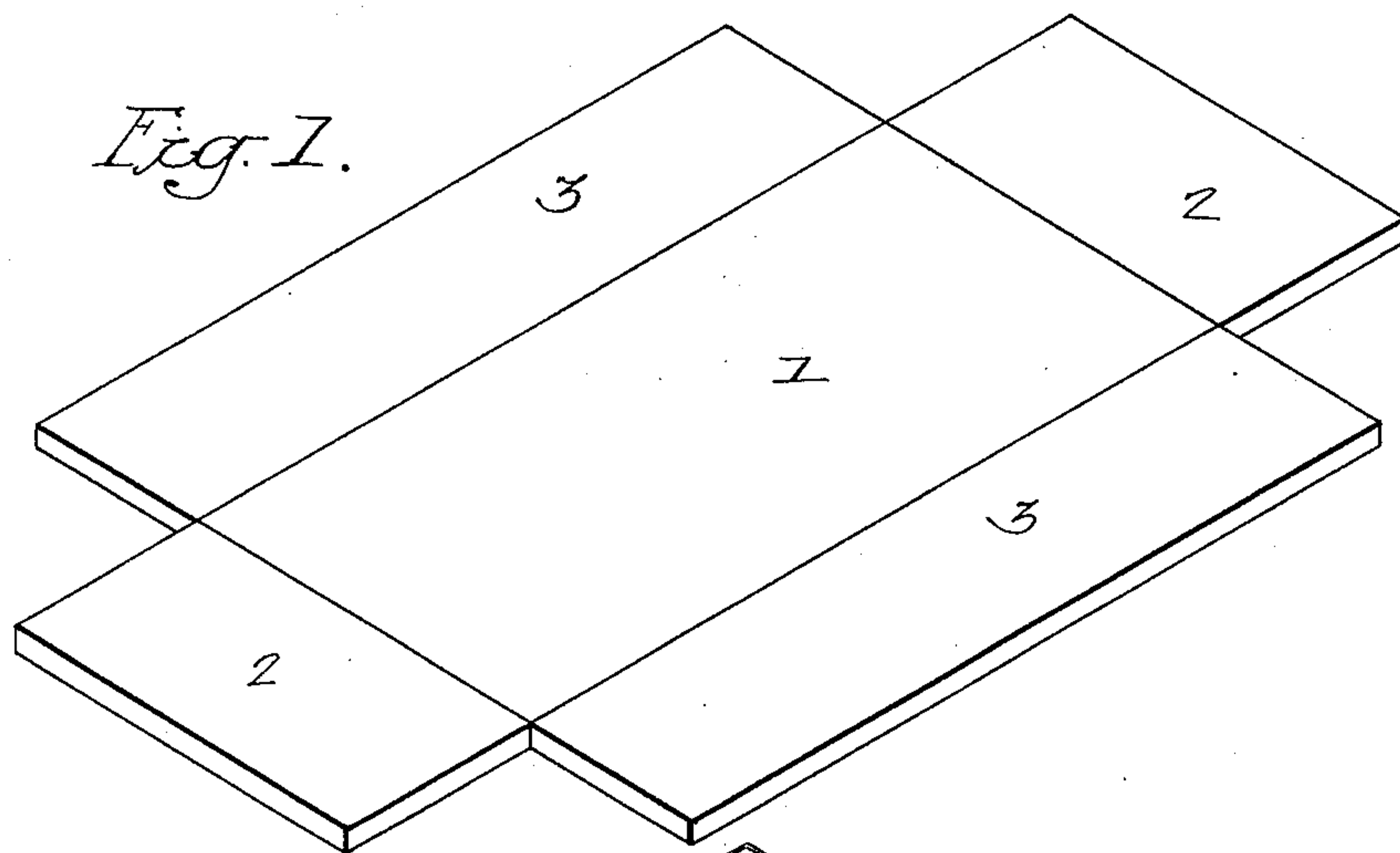
G. H. SNYDER

1,897,868

CIGAR BOX

Filed Jan. 22, 1931

2 Sheets-Sheet 1



Inventor:
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2 Sheets-Sheet 2

Fig. 4.

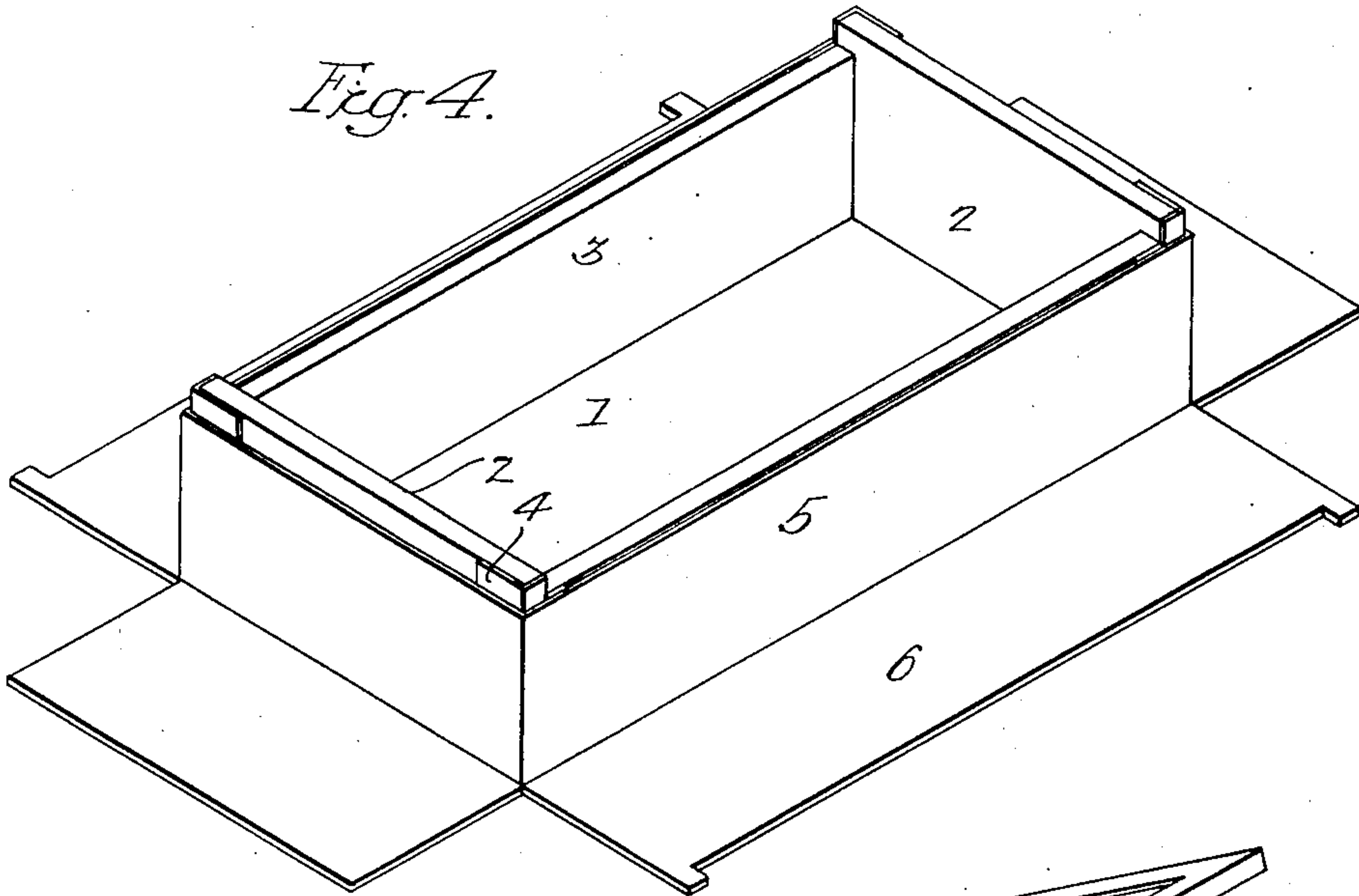


Fig. 5.

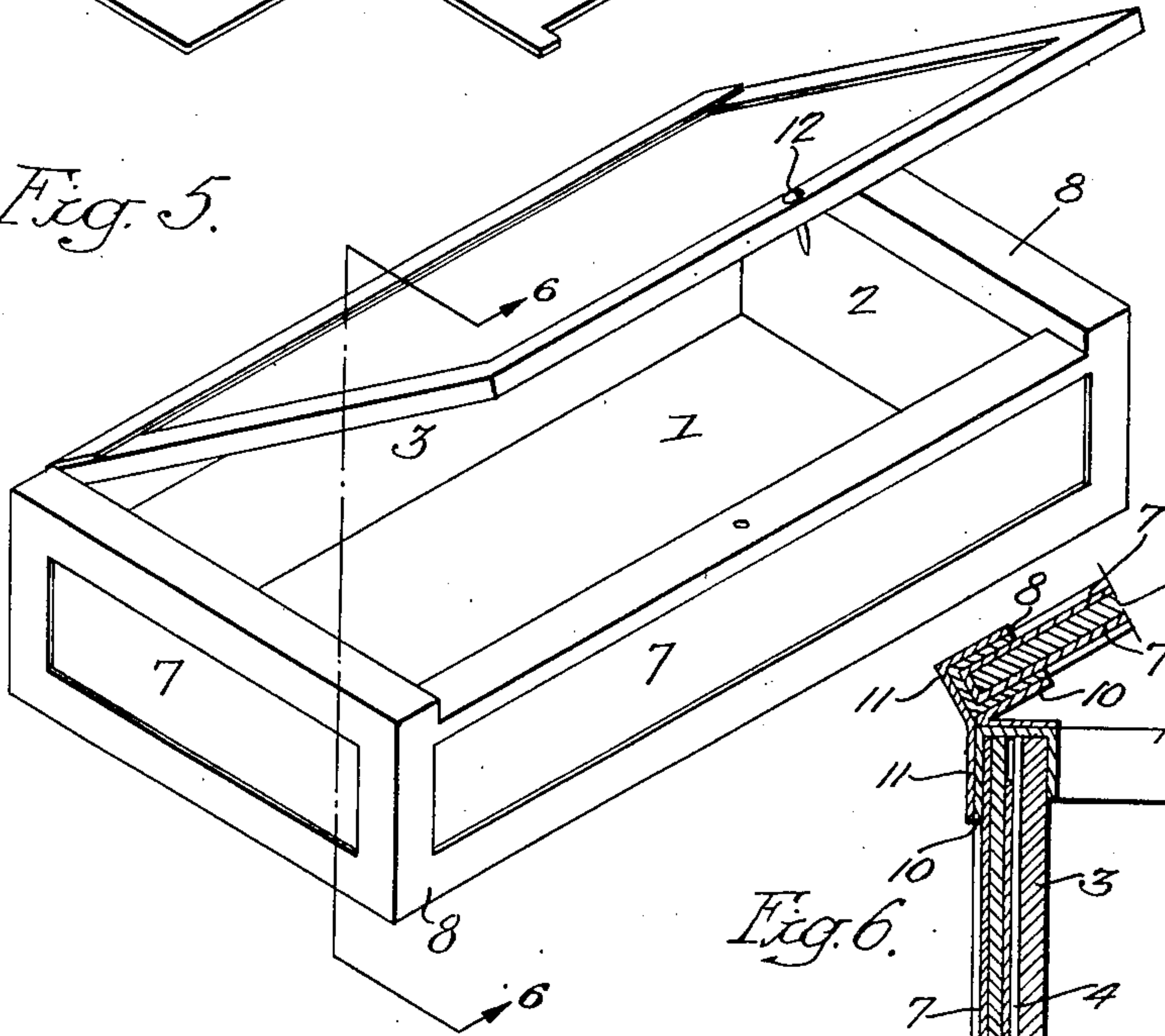
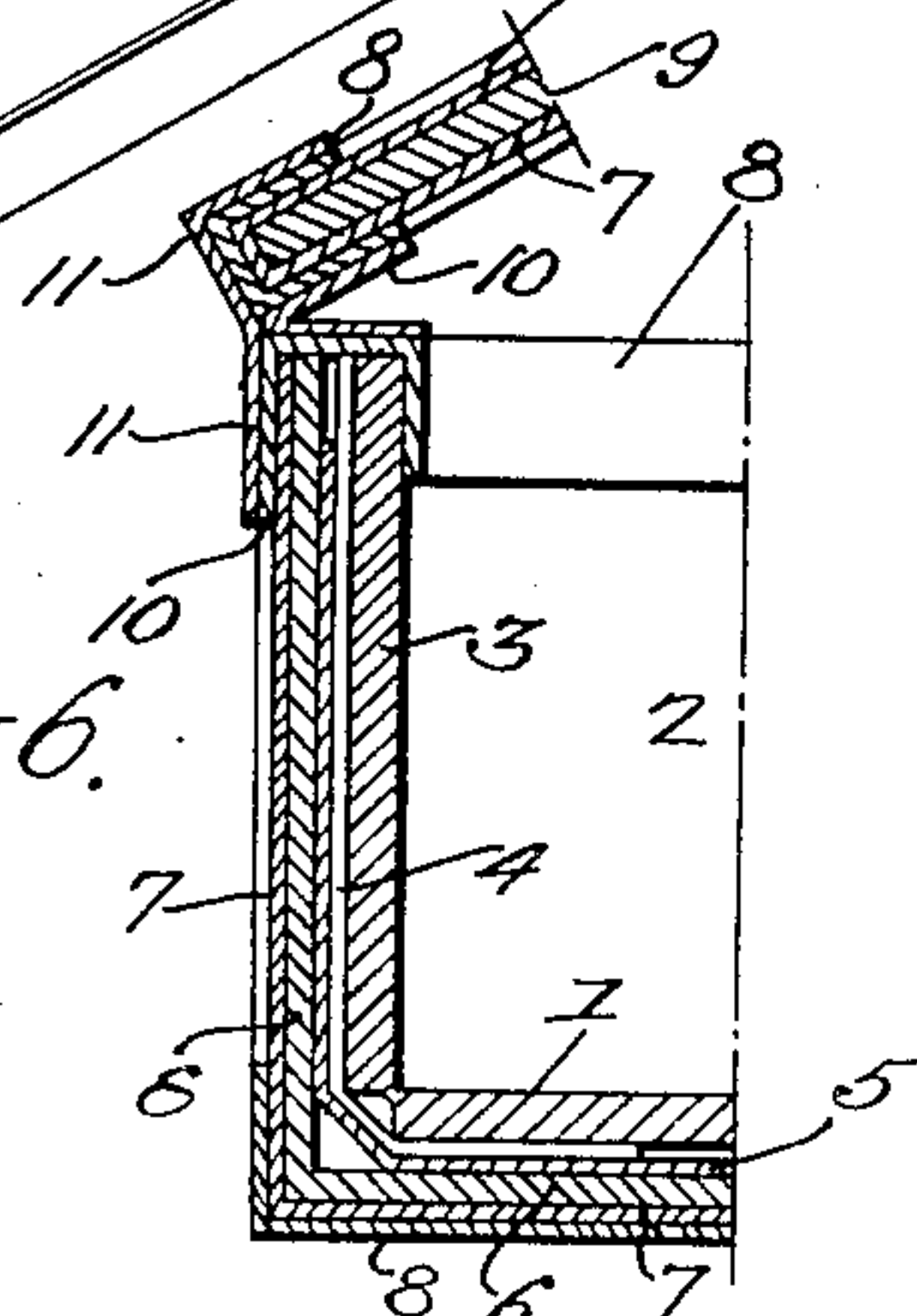


Fig. 6.



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UNITED STATES PATENT OFFICE

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CIGAR BOX

Application filed January 22, 1931. Serial No. 510,542.

This invention relates to new and useful improvements in paper boxes and more particularly to paper cigar boxes.

One object of this invention is to provide a paper cigar box having essentially the same desirable characteristics and appearance as the cedar wood cigar boxes heretofore employed almost universally in the shipping and merchandising of cigars.

Another object of the invention is to provide a paper cigar box of relatively strong and durable construction.

A further object of this invention is to provide a paper cigar box of an adequate and yet inexpensive construction.

The invention further resides in certain structural details and in the method of manufacture hereinafter described and illustrated in the accompanying drawings, in which:

Figure 1 is a view in perspective of the bottom of a blank sheet of material from which is formed the foundation structure, showing the scoring thereon to permit the bending of the transverse extensions normal to the bottom sections;

Fig. 2 is a view in perspective showing the assembled foundation structure;

Fig. 3 is a view in perspective showing a third step in the formation of the box body;

Fig. 4 is a view in perspective showing the outer coating adapted to entirely overlie the outer surface of the structure;

Fig. 5 is a view in perspective of the completed box;

Fig. 6 is a section on line 6—6, Fig. 5, showing the method of mounting the lid on the box.

Referring to the drawings, 1 is a blanked sheet of laminated material composed of cardboard or other suitably stiff paper material, and adapted to constitute a foundation structure including a central portion, affording a base or bottom, and transverse extensions adapted to be turned at right angles to the bottom to form the end walls 2 and side walls 3 respectively of the box. The said end walls 2 in the present instance extend above the upper edges of the side walls a sufficient height to permit the upper surface of a lid to lie flush with the upper edges of

the end members 2 when the said lid is in the closed position. The under side of the blank is scored along lines coinciding with the outline of the bottom section to facilitate the folding of the transverse extensions forming the end and side wall members respectively. The end and side walls are maintained in the upright position by means in the present instance, of strips of paper, cloth or fabric 4, secured by adhesive to the adjacent edges thereof, as shown.

A blanked sheet of material 5 composed of paper or other suitable material, embraces the outer surface of the foundation structure 1 and the maintaining strips 4, the sheet 5, in the present instance being secured to the said structure 1 by adhesive. It will be noted that the upper edges of the cover 5 stop short of the upper edges of the sides 2 and 3, for a purpose hereinafter set forth.

For the purpose of squaring up the oblique surfaces at the bottom edges of the foundation structure, caused by the opening of the scores when the transverse extensions are turned up normal to the bottom section, and by the sheet of paper 5 subsequently secured thereto, and for affording sharply square corners at the junctions of the sides 2 and 3, an outer envelope 6 is provided, formed from a blanked sheet of material composed of relatively thin, but stiff cardboard or other suitable substance, the said sheet, in the present instance having a central portion corresponding to the bottom section of the foundation, and having transverse extremities which correspond dimensionally with and are adapted to entirely overlie the side and end walls of the structure 1 and the covering 5, as shown, the envelope 6 in the present instance being permanently secured to the underlying surfaces by adhesive. At the upper side edges of the box the envelope 6 contacts with and is directly secured to the base member 1, this by reason of the fact, as previously set forth, that the intermediate cover, sheet 5 stops short of the upper edges of the base blank.

The outer smooth surface of the box body thus produced is preferably covered with paper 7 made to resemble cedar-wood in ap-

pearance, thereby giving the box an appearance closely resembling the standard wooden cigar box. The paper coating 7 is adapted to receive printed matter such as the name of the contents or any desired pictures or advertising. Strips of material 8, such as paper, are preferably secured by adhesive along the edges of the box body to afford a binding for all rough edges and to give a finished appearance to the box.

At the upper edge of one of the sides of the box is secured a lid 9, the said lid being attached both on the inside and outside of the lid and box respectively by cloth members or strips 10 which preferably are glued to said lid and body of the box. The lid 9 is composed in the present instance of heavy cardboard or other equally suitable material preferably of the same gauge or thickness as the walls of the box and is adapted to be covered in the same manner as the box itself with paper 7 giving the appearance of wood, the edges thereof being bound by strips 8 for the same purpose as set forth above. A cover strip 11 is subsequently secured over the strip 8, joining the lid to the outside of the box and is adapted to afford a uniform appearance to the lid with respect to the box body. The lid may be maintained in closed position by any well known means such as a small brad or tack 10.

In the manufacture of the box described above, I prefer to employ in the base structure 1 a heavy cardboard corresponding closely in thickness to the thickness of the walls of the prior standard wooden box, or being slightly less in thickness so that with the intermediate cover sheet 5 and the envelope 6, a wall thickness is afforded corresponding closely to the thickness of the aforesaid standard. A box so constructed therefore, while having all the desirable characteristics of rigidity and resistance to distortion of the prior standard wooden box, and, in fact, showing an actually increased strength and ruggedness, closely resembles the box to which the trade is accustomed. The intermediate cover strip 5 not only increases the rigidity of the finished article, but also effectively excludes moisture, including that applied in the adhesive used to secure the envelope 6 in position, from the base member 1, this effectively preventing warping of the box from its true form. By securing the envelope 6 directly to the base member 1 at the upper edges of the box, an intimate union is effected between these elements conferring substantially the characteristics of an integral formation at the upper edges of the box and precluding any tendency toward delamination. As previously set forth, the envelope 6 affords square and sharply formed corners at both the bottom and side edges of the box. A superior strength is also afforded by the

double hinge construction employed in attaching the lid to the body of the box. In appearance, the finished article, while being practically identical in appearance with prior standard boxes of wood has the advantage of relative cheapness of manufacture combined with superior strength and ruggedness.

While I have set forth the preferred embodiment of the invention for the purpose of description, it will be apparent that certain modifications and changes thereto will not depart from the spirit of the invention.

I claim:

1. As a new article of manufacture, a box comprising a body, consisting of a foundation structure composed of cardboard and comprising a bottom having end and side walls extending therefrom, means for maintaining the foundation structure in a predetermined form, a sheet of paper substantially overlying the outer surface of said structure, and an outer covering composed of cardboard entirely overlying and attached to the outer surface of the said paper and structure.

2. The method of making paper cigar boxes consisting in forming a flat blank of material having oppositely extending portions disposed at right angles, folding the extending portions to bring the corresponding edges thereof into contiguity, securing said edges together by means of sealing strips, applying a paper covering to the outer surface thereof, applying a covering of relatively thin cardboard to the outer surface of the said paper covering, applying an outer covering of paper, and binding the edges of the assembly with strips of paper.

3. The method of making paper cigar boxes consisting in forming a flat blank of relatively thick laminated cardboard having pairs of oppositely extending portions disposed at right angles to each other, scoring the said blank on the outline of the central portion thereof, folding the extending portions to bring the corresponding edges thereof into contiguity, securing said edges by means of strips by adhesive, applying a paper covering to the outer surface of the structure, applying a covering of relatively thin cardboard to the surface of the paper covering, applying an outer covering of paper, forming a flat blank of relatively thick cardboard for a lid for the box, applying a covering of paper thereto, joining the lid with the box body with strips by adhesive, and binding the edges of the assembly with strips of paper.

GEORGE H. SNYDER.