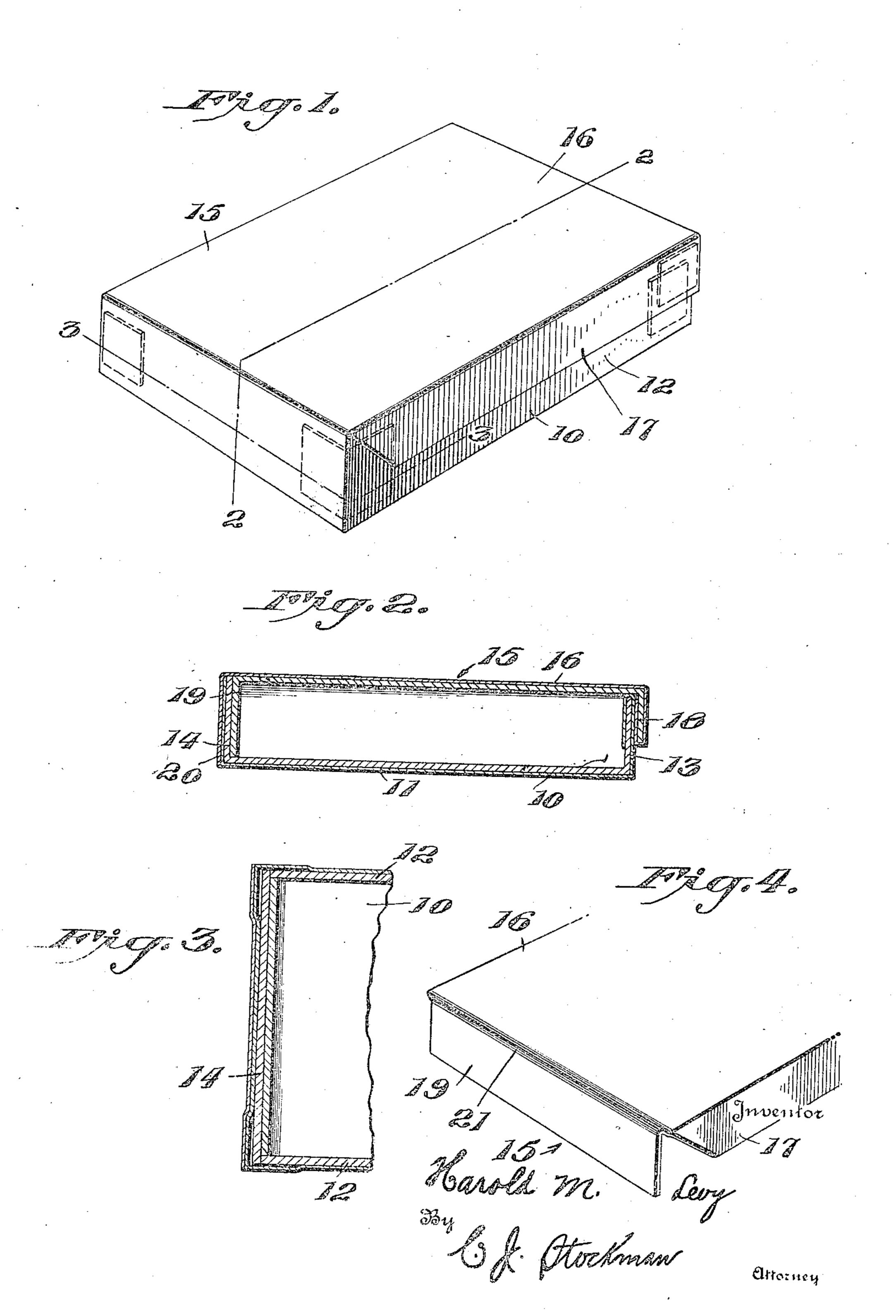
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PAPER BOX

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UNITED STATES PATENT OFFICE.

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citizen of the United States, residing at New up out of the plane of the bottom, and suit-Orleans, in the parish of Orleans and State ably connected together to form the body or 5 of Louisiana, has invented certain new and tray section of the box. While any method 55 useful Improvements in Paper Boxes, of of attaching the sides and ends together may which the following is a specification.

more particularly to that type of boxes in strips of stout paper, which are attached to 10 which the body or tray and the cover are the sides and ends by adhesive. made separate and afterwards hingedly connected.

paper box, which is easily manufactured and the side and end flanges and for a portion of 15 which is durable in use. A further object is the inner faces thereof. cloth or other flexible material, being con-flanges 17, front flange 18 and a hinge flap 19. 20 composed. A still further object of the in- blank of any suitable cardboard with the 70 vention is the development of a method of side and front flanges and the hinge flap bent durable.

Other objects and advantages of the in-25 vention will hereinafter appear in the fol- formed and more durable hinge for the box. 75 thereof will be particularly pointed out in the appended claims.

In the drawings, wherein all reference 30 characters are employed to designate similar parts throughout the several figures.

Figure 1 is a perspective of my box, Figure 2 is a sectional view taken upon the line 2—2 of Figure 1, showing the several 35 component parts of which the hinge is made,

Figure 3 is a similar view taken upon the line 3—3 of Figure 1 of a portion of the box showing the hinge section thereof, and

Figure 4 is a perspective of the end of the 40 cover section before it is applied to the body. the body or tray section, the hinge flap is 90

but it will be understood that this embodi- face thereof by means of a coating of adment is exemplary only, and that the inven- hesive. It will be noted that by this construc-45 tion is susceptible of many changes within the spirit and scope of the appended claims.

The numeral 10 designates the body or tray of a box, which consists of a bottom 11, side flanges 12, a front flange 13 and a rear 50 flange or hinge support 14. The body may

To all whom it may concern: be made of ordinary cardboard cut into the Be it known that I, Harold M. Levy, a desired blanks, the sides and ends being bent be employed, I have shown in dotted lines This invention relates to paper boxes, and in Figure 1 and in section in Figure 3 short

The body or tray is shown as covered by a relatively thin paper, which is pasted to It has for its object the provision of a the outside of the bottom, the outer faces of

the provision of a durable hinge for card- The cover section is designated by the board boxes or the like without the use of numeral 15 and consists of a top 16, side fined to the materials of which the box is This cover is likewise made from a single forming the hinge, whereby it is made more down from the plane of the top, but I prefer to make the cover of a bending quality of box board to secure a neater, more easily lowing description and the novel features The cover section also has a covering of thin paper which extends over the top, the outer face of the flanges and a portion of the inner faces thereof. It is not secured to the hinge flap but is extended to provide a projecting 80 end overlapping the flap for a purpose hereinafter to be explained.

> While the hinge flap may be of any suitable dimensions without departing from the spirit of the invention, I prefer to make the 85 same of a width equal to the inside width of the body or tray and of a height equal to the depth of the body or tray section.

In the connecting of the cover section to In the following description, I have set attached to the end flange 14 of the body or forth a single embodiment of my invention, tray and as shown it is applied to the inner tion the end of the tray or body is made con- 95 siderably stouter and at a point where the strain due to the opening and closing movements of the cover would occur.

> After the cover is thus attached to the body of the box, the projecting portion of the 100

paper covering for the cover, as seen at 20, is attached to and completely covers the paper covering of the end flange 14, but it is obvious that the projecting end may be at-5 tached directly to the flange 14 by omitting the bottom covering on this member. I prefer that this section 20 of the covering paper be attached to the flange 14 when the box cover is in closed position, thereby reliev-10 ing this paper covering section from strain length corresponding to the depth and in the opening and closing movements of the width, respectively, of said end flange and cover. Besides obscuring from view the bend secured to one face of said end flange by ad-15 said bend or hinge.

In making my box I prefer to first form face of the end flange. or tray, next glue the hinge flap into the inside of the wrapped box, and finally wrap 20 the cover, attaching the section 20 of the wrapping or covering to the end flange while the cover is in its closed position.

While I have described my invention as having a hinged flap attached to the cover 25 section and the covering paper of the cover as extended over the hinge bend and attached to the end flange of the tray section, it will be understood that these details may be altered without departing from the spirit 30 of the invention.

repeatedly without breaking or tearing the the cover section. prevents the outside of the box from show- other section. cloth or the like.

1. A paper box comprising a body or tray 8. A hinge for cardboard boxes and the said end flange.

section of cardboard and having an end to one face of the hinge support, and a strip flange, and a cover section of a bending of paper secured to one of said members, 65 quality of cardboard and having a hinge passed over the bend of the hinge flap and

flap formed at one end thereof, said hinge flap being secured to one side of said end flange by adhesive, and a strip of covering paper attached to the cover section, passed over the bend of the hinge flap and secured 70 to the other side of said end flange.

3. A paper box comprising a body or tray section having an end flange and a cover section having a hinge flap of a height and length corresponding to the depth and 75 21 of the box board of the cover, this section hesive, and a strip of covering paper secured 20 of the covering will tend to protect the to the cover section, passed over the bend of the hinge flap and secured to the other 80

the tray and the cover, then wrap the body 4. A paper box comprising a body or tray section having an end flange and a cover section having a hinge flap formed by bending the material of the cover at an 85 angle, a covering secured to the bottom and side and end flanges of said tray or body section, and a covering secured to the top of said cover section and extending beyond the bend of said hinge flap, the hinge flap being 90 secured to the inner face of the end flange and the extended portion of said covering being secured to the outer face of said end flange.

5. A paper box, comprising a body or tray 95 By my invention there is produced a pa-section having an end flange, a cover secper box of the hinged cover type, which is tion having a hinge flap secured to the inner durable in use and neat in appearance. face of said end flange, and coverings for Since the hinge flap is integral with the said box sections, one of which is attached 35 cover and made of a bending quality of box to the outer face of said end flange, passed 100 board, the box may be opened and closed over the hinge and attached to the top of

hinge. The gluing of the covering paper to 6. A paper box comprising a body or tray the parts adjacent the hinge while the box is section and a cover section, one of said sec-40 closed adds materially to the strength of the tions being provided with a hinge flap hinge, since by this means there is little formed by bending a portion of the material liability of the breaking of the paper cover- of the section, which flap is attached to the ing. It is to be noted that the flexible box inner face of the other section, and a coverboard used prevents the box hinge from ing strip of paper attached to the section tearing or splitting on the inside of the box, having the hinge flap, passed over the bend 110 and that the section 20 of the covering paper thereof and attached to the outer face of the

ing the crease or split, which is more liable 7. A hinge for a cardboard box or the like to appear there. It is to be further noted comprising a hinge supporting section, a that the hinge is produced without the use hinge flap formed by bending a cardboard 115 of any special flexible material, such as body and secured to one face of said hinge supporting section, and a paper covering at-Having described my invention, what I tached to the other face of said hinge supclaim as new and desire to secure by Letters porting section, passed over the bend of said 55 Patent is: hinge flap and secured to the cardboard body.

section having an end flange, a cover section like comprising two cardboard members to having a hinge flap secured to one side of be hingedly connected, consisting of a hinge said end flange, and a covering for said flap upon one of said members formed by cover section secured to the opposite side of bending a portion thereof at an angle and a hinge support upon the other of said mem-2. A paper box comprising a body or tray bers, the hinge flap overlapping and secured

secured to the other face of said hinge sup-

port.

9. The process of forming a hinge for a to the paper box or the like comprising a tray or tray body and a hinged cover, consisting of bending a section of the cover to form a hinge ture. flap, securing said hinge flap to the inside

of an end member of the tray, and pasting a covering to the outside of the cover, and to the outside of said end member of the 10 tray while the cover is in bent position.

In testimony whereof I affix my signa-

HAROLD M. LEVY.