No. 880,410. PATENTED FEB. 25, 1908.

J. B. SINGER.

COMBINED CARTON AND DISPLAY DEVICE.

APPLICATION FILED NOV. 13, 1906.

2 SHEETS—SHEET 1.

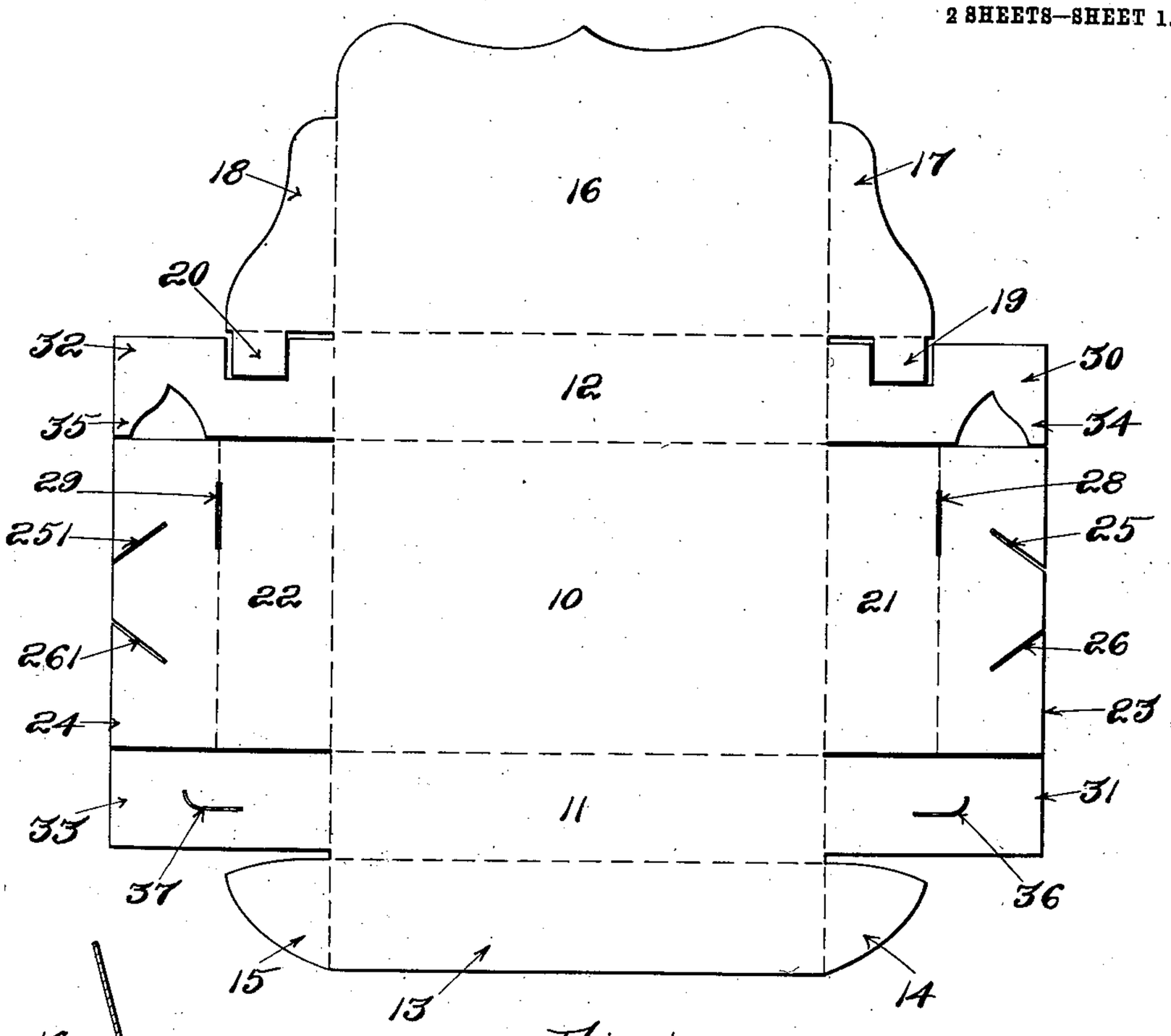


Fig. 1.

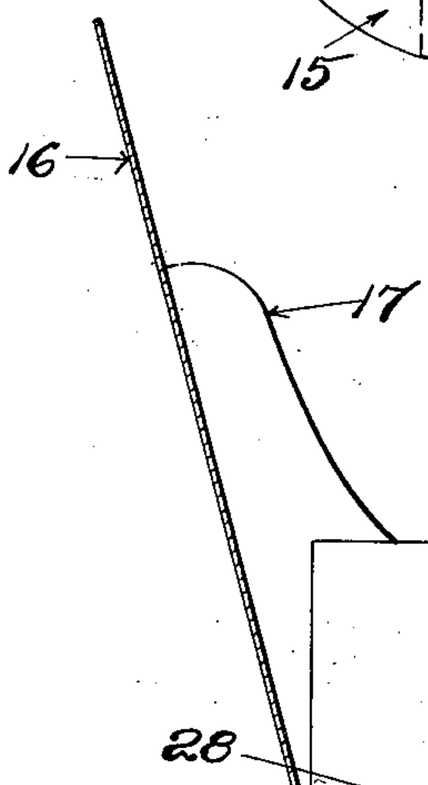
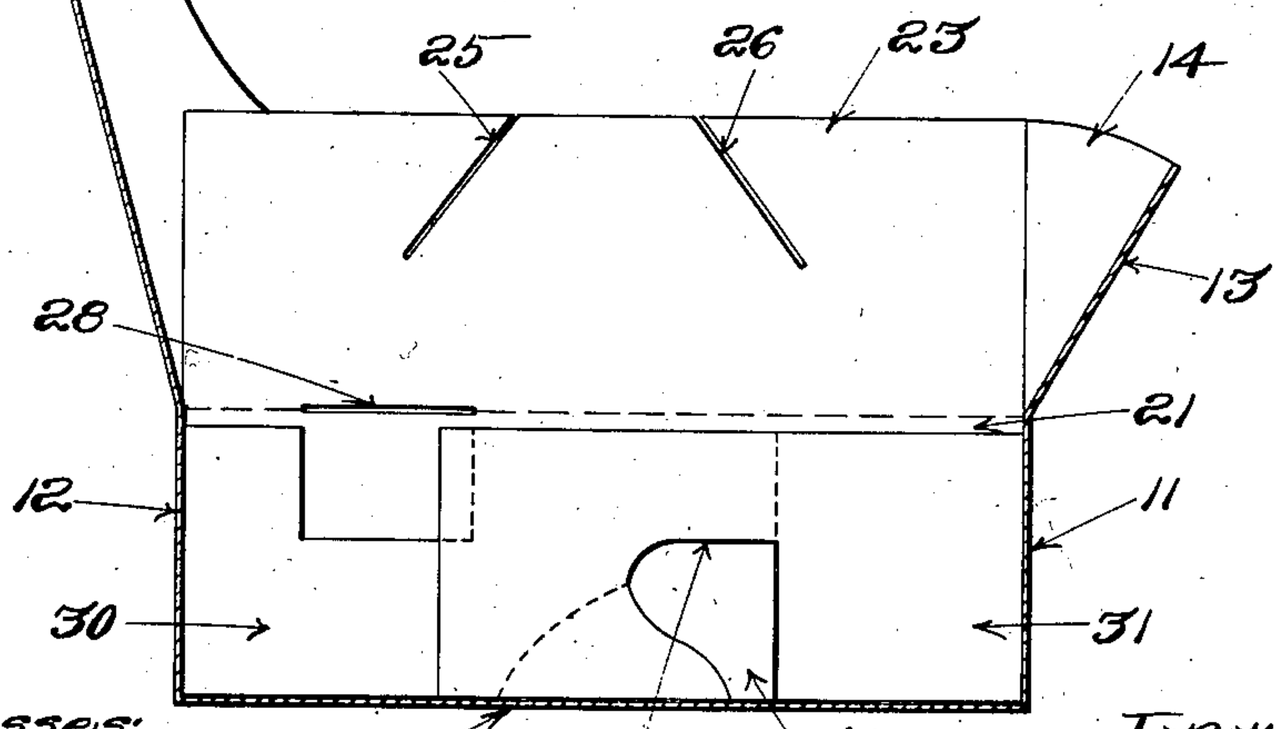


Fig. 4.



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2 SHEETS—SHEET 2.

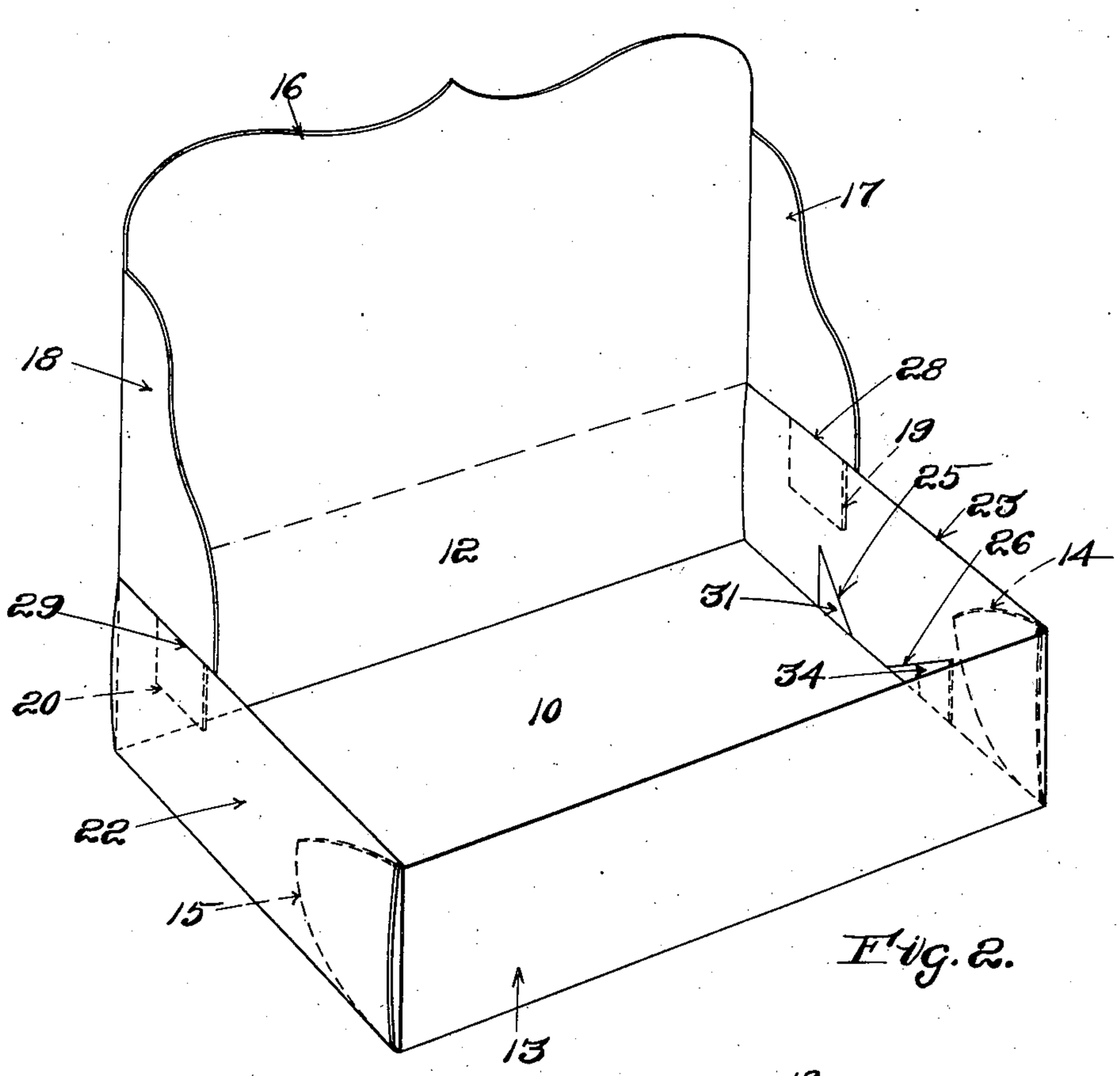
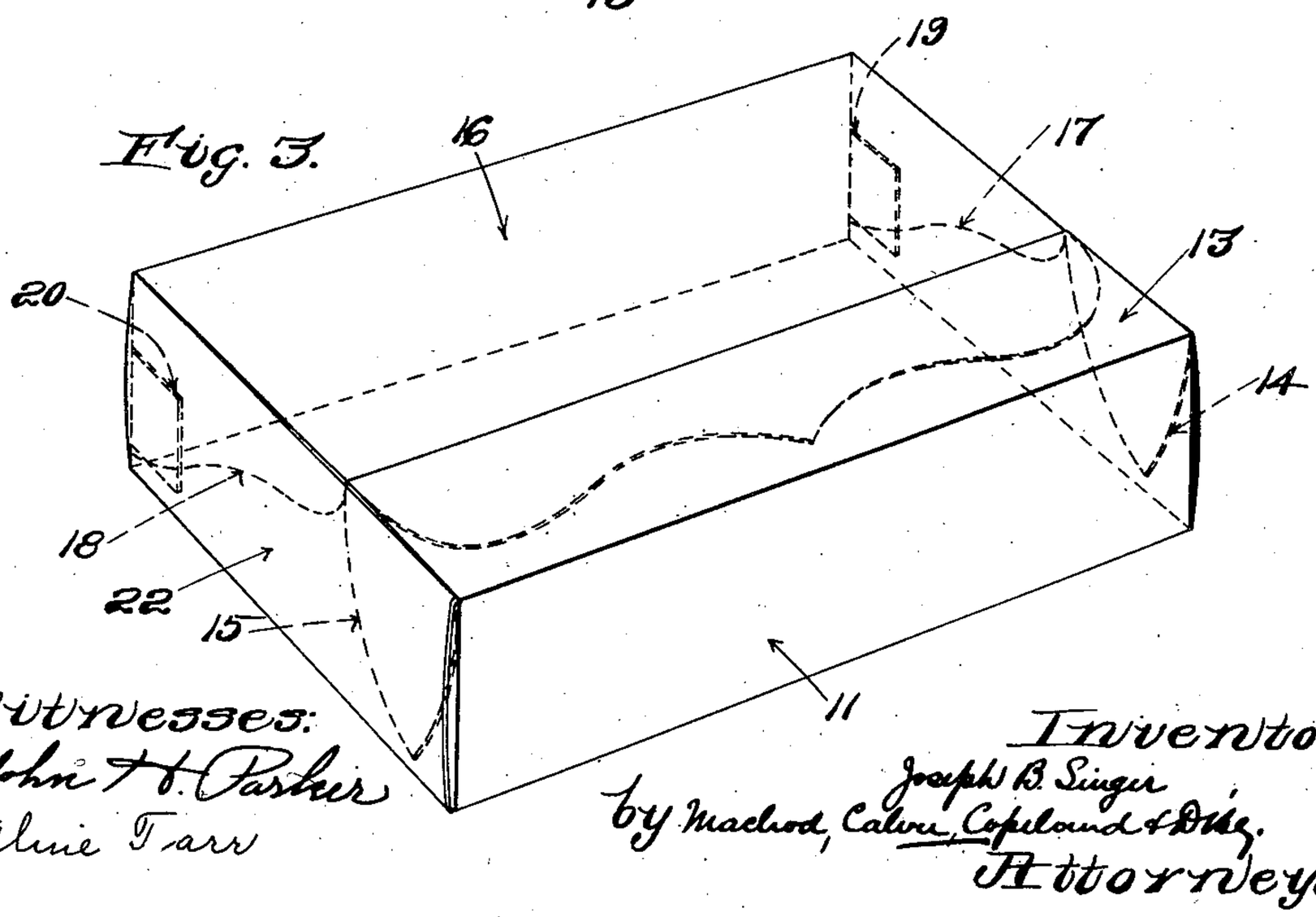


Fig. 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

JOSEPH B. SINGER, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO OSCAR H. HERSEY, TRUSTEE, OF PORTLAND, MAINE.

COMBINED CARTON AND DISPLAY DEVICE.

No. 880,410. Specification of Letters Patent. Patented Feb. 25, 1908.

Application filed November 13, 1906. Serial No. 343,182.

To all whom it may concern:

Be it known that I, JOSEPH B. SINGER, citizen of the United States, residing at Boston, county of Suffolk, and State of Massachusetts, have invented a certain new and useful Improvement in a Combined Carton and Display Device, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention has for its object a combined carton and display device which may be used to contain packages of goods for shipment and which may also be used on the counter by the retailer to display the goods attractively. To this end, it is desirable that the combined carton and display device be sufficiently strong to permit the safe handling of the carton and its contents, even though the weight be considerable; also that the carton will, when opened, present an attractive appearance with considerable space for the reception of printing, pictures or advertising matter. It is also desirable that this advertising matter be so located on the carton as to be protected from injury in transit or by handling. My improved carton meets these requirements and also is so constructed that all the display printing comes on one side of the blank from which the carton is constructed. This permits stock which is finished on one side only to be used, and also saves printing on more than one side.

The invention will be fully understood from the following description, taken in connection with the accompanying drawings and the novel features thereof are pointed out and clearly defined in the claims at the close of the specification.

In the drawings,—Figure 1 is a plan view of a blank for a carton and display device embodying my invention. Fig. 2 is a view in perspective of the combined carton and display device with the parts in position to display the goods. Fig. 3 shows the carton closed for shipment. Fig. 4 is a transverse section of the carton showing the method of folding the parts of the blank together.

Referring to the drawings,—there is indicated at 10 the portion of the blank which forms the bottom of the carton. At 11 and 12 are indicated the portions of the blank which form the two long sides of the box. The various portions of the blank are separated from each other by lines to facilitate folding, as for instance, by scoring, wetting or creasing in the well-known manner. Attached to the front side 11 is the front display surface 13, provided at its ends with two tucks 14 and 15. Similarly attached to the rear side 12 is the back 16 provided with the side brackets 17 and 18, which are, in turn, each provided with locking tongues 19 and 20. Ends 21 and 22 to which are attached slotted end flaps 23 and 24 are attached to the edges of the bottom 10. The said slotted end flaps 23 and 24 are each provided with diagonal slits 25 and 26 and 251 and 261 respectively; and there is also a pair of slits 28 and 29 on the lines of fold between the ends 21 and 22 and the side flaps 23 and 24. Each end of the box is provided with a pair of end pieces 30 and 31, and 32 and 33, which are slightly narrower than the ends 21 and 22. The ends of these end pieces 30, 31, 32 and 33 are square and one pair of said end pieces is provided with tongues 34 and 35, respectively, while the other pair is provided with corresponding slits 36 and 37. These tongues are preferably made with their end edges straight as shown in the drawings, so that the said ends are vertical when the carton is folded. They thus form part of the locking means for the end flaps as will be hereinafter described.

The box is folded or made up in the following manner. The blank is first folded along the creases outlining the bottom 10 and the two tongues 34 and 35 on the end pieces 30 and 32 respectively are caused to enter the slits 36 and 37 respectively in the other two end pieces 31 and 33. The ends 21 and 22 are then folded up so that they lie against the previously folded end pieces. After this, the slotted end flaps 23 and 24 are folded over the end pieces 30 and 31. The point produced by the slot 25 is tucked under the straight end edge of the end piece 31, while the other point produced by the slit 26 is tucked under the straight edge of the tongue 34 which projects through the slit 36. Correspondingly at the other end of the box, the point produced by the slit 251 engages the tucked under edge of the end piece 33, and the point produced by the slit 261 is tucked under the straight edge of the tongue 35, which projects through the slit 37. It will thus be seen that the ends of the box are

firmly secured in place. The ends are thus made of three thicknesses comprising the partly overlapping end pieces, the end and the end flap.

The front display surface 13 is folded down and the tucks 14 and 15 are tucked into the space between the outside of the locking pieces 31 and 33, and the ends 21 and 22, as is clearly shown in Fig. 2. The back 16 is then placed in a substantially vertical position and the brackets 17 and 18 folded to a position at right angles with the back display surface 16. The tongues 19 and 20 are then inserted in the slits 28 and 29 previously referred to, and the brackets 17 and 18 thus hold the back 16 firmly in vertical position. It will thus be seen that the two faces of the front and back display pieces 13 and 16, upon which printing is placed for display, come on the same side of the blank, thus permitting stock which is finished on one side only to be used.

When used as a carton and when in condition for shipping, the back 16 is folded down into a horizontal position, as shown in Fig. 3, the tongues 19 and 20 being folded into a position parallel with the brackets 17 and 18, so that they pass between the contents of the box and the ends of the box, and thus do not interfere with the closing of the box. The brackets also tend to hold the back, which now serves partly as a cover, down in the desired position. The front display surface 13 is then folded over, as shown in Fig. 3, and the two tucks 14 and 15 inserted between the contents of the box and the ends, as shown in Fig. 3. The contents of the box press against the brackets and the ends when in the folded position and tend to hold all the parts securely in place. When in this position, the contents of the box, together with the surface containing the advertising matter, are thoroughly protected from injury, and the box is firm and sufficiently strong to hold securely its contents, even though they be of considerable weight.

My construction permits the upper edge of the back piece 16 and the side edges of the brackets 17 and 18 to be made in attractive scrolls, and the same are completely protected from injury when the container is closed.

I claim as my invention:

1. The improved carton and display device comprising a body having folded ends and slots in the upper edge of said ends, a back display surface attached to said body, brackets on the said back display surface, and tongues on the said brackets engaging the said slots in the said ends.

2. The improved carton and display device comprising a body having folded ends, a back display surface hinged to said body, a front display surface of the same size as the front wall of the carton and hinged to the upper edge of the said front wall, and wings attached to the said front display surface and adapted to be inserted between the contents of the carton and the ends thereof when the carton is folded and between the folded portions of the ends when the box is closed.

3. The improved carton and display device provided with a front display surface hinged to the top edge of the front of the box and a tongue on the end of the said front display surface to hold the front display surface when in closed position by passing between the end of the box and the contents thereof, and to hold the said display surface parallel with the front wall of the box when in open position by passing between the layers of cardboard composing the end of the box.

4. The improved carton and display device provided with a back display surface having a bracket hinged thereto and with a front display surface having hinged thereto a tongue, the said bracket and the said tongue being adapted to pass between the end of the box and the contents thereof to maintain the back display surface and the front display surface in closed position.

5. The improved carton and display device provided with a back and a front display surface hinged to the body of the box, locking end pieces, one provided with a slot and the other with a tongue, the ends of said end pieces being vertical when in folded position, an end, and an end flap adapted to fold over said end pieces and slitted diagonally forming tongues to pass under the vertical ends of the said end pieces.

6. The improved carton and display device provided with a back display surface hinged to the rear wall and a front display surface hinged to the front wall of the box and capable of being folded down against the front wall, so that when open both display surfaces of the back and front are both visible, and when closed the said surfaces are protected from injury.

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

JOSEPH B. SINGER.

Witnesses:

GEORGE P. DIKE,

ALICE H. MORRISON.

Correction in Letters Patent No. 880,410.

It is hereby certified that Letters Patent No. 880,410, granted February 25, 1908, upon the application of Joseph B. Singer, of Boston, Massachusetts, for an improvement in "a Combined Carton and Display Device," were erroneously issued to "Oscar H. Hersey, as Trustee," as owner of the entire interest in said invention, whereas said Letters Patent should have been issued to the inventor, *Joseph B. Singer and Oscar H. Hersey, as Trustee, jointly*, said Hersey being the assignee of *one-half* interest only in said patent, as shown by the record of assignments in this office; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 17th day of March, A. D., 1908.

[SEAL.]

C. C. BILLINGS,

Acting Commissioner of Patents.