M. A. HIRSCHL.

DISPLAY BOX.

APPLICATION FILED MAR. 9, 1921.

1,418,798.

Patented June 6, 1922.

Fig. 1.

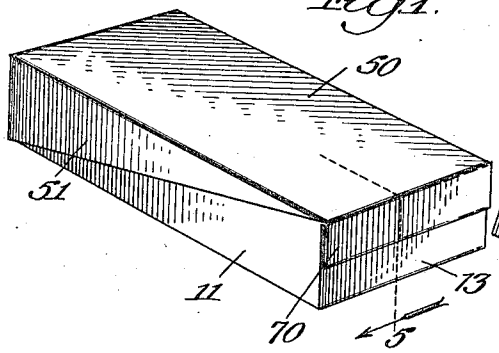


Fig. 2.

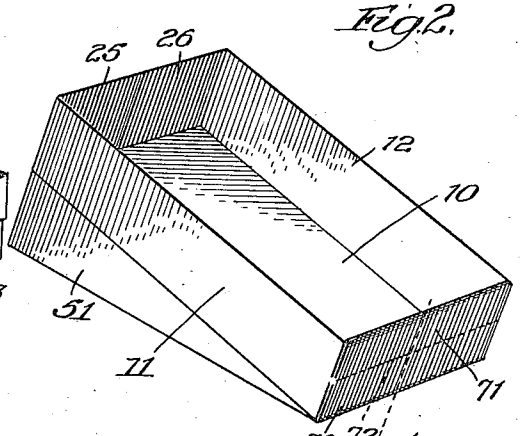


Fig. 3.

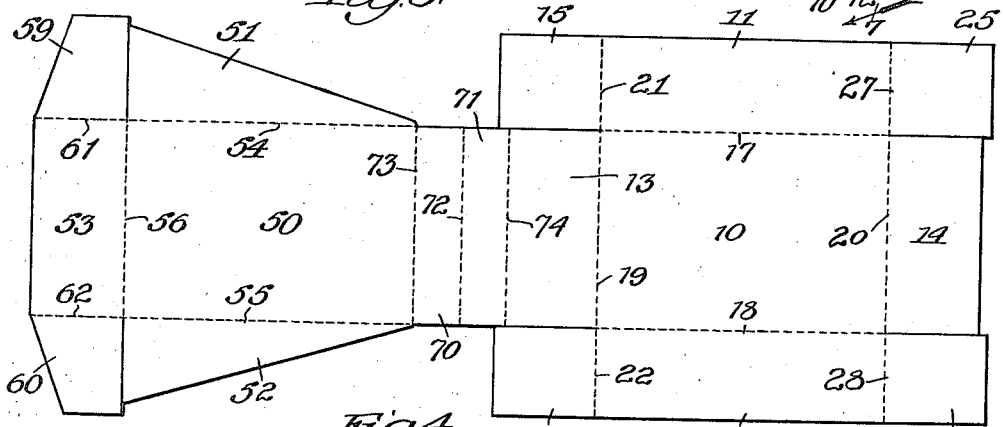
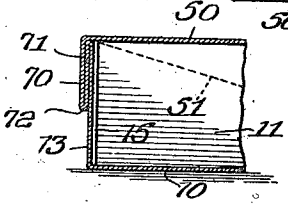


Fig. 4.

Fig. 5.



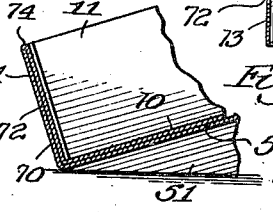


Fig. 6.

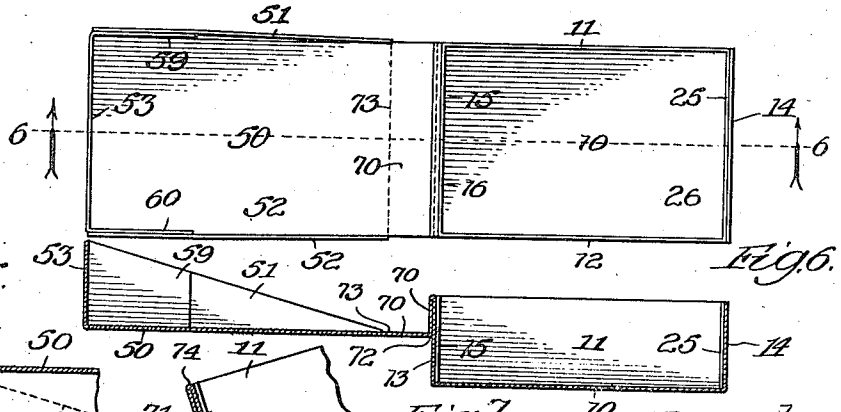


Fig. 7.

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UNITED STATES PATENT OFFICE.

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DISPLAY BOX.

1,418,798. Specification of Letters Patent. Patented June 6, 1922.

Application filed March 9, 1921. Serial No. 451,018.

To all whom it may concern:

Be it known that I, MARCUS A. HIRSCHL, a citizen of the United States, residing at 140 South Dearborn Street, Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Display Boxes, of which the following is a specification.

This invention relates to improvements in display boxes, and more particularly to a display box adapted to contain merchandise for packing and shipping and also for displaying the same.

In that form of device embodying the features of my invention shown in the accompanying drawings, Figure 1 is a view in perspective showing the box closed, Fig. 2 is a view in perspective showing the box open to display the articles therein, with the lid under the box forming a support or easel for the same to hold it in an inclined position, Fig. 3 is a plan view of a pattern of paper from which the box is formed, Fig. 4 is a plan view of the box formed, and with the lid open but not folded under the box to form a support, Fig. 5 is a view taken as indicated by the line 5 of Fig. 1, Fig. 6 is a view taken as indicated by line 6 of Fig. 4, and Fig. 7 is a view taken as indicated by the line 7 of Fig. 2.

As shown in the drawings, the box is formed from a flat sheet of paper cut in the shape shown in Fig. 3, in which the dotted lines indicate the location of folds or creases. The pattern from which the box is formed comprises a rectangular part 10 forming the bottom of the box having attached to its two long sides the rectangular parts 11 and 12 forming the sides of the box, and attached to its ends the rectangular parts 13 and 14 forming the ends of the box. In forming the box the sides 11 and 12 are folded up at right angles to the part 10 on the lines 17 and 18 respectively and the end parts 13 and 14 are likewise folded up at right angles on the lines 19 and 20 respectively to form the ends of the box. The side parts 11 and 12 are provided with the two flaps 15 and 16 adapted to be folded at right angles to the parts 11 and 12 on the lines 21 and 22 respectively and placed adjacent the end part 13 on the inside of the box and fastened in place by pasting or by any other suitable means. The side parts 11 and 12 are provided on their other ends with similar flaps 25 and 26 respectively adapted to be folded in a similar manner on the lines 27 and 28 respectively and fastened to the end part 14.

The lid for the box comprises a rectangular part 50 having attached to its two long sides the triangular shaped side parts 51 and 52 and having attached to one of its ends the rectangular part 53. In forming the lid the triangular shaped side parts 51 and 52 are bent up at right angles to the rectangular part 50 on the lines 54 and 55 respectively, to form the sides of the lid, and the rectangular part 53 is likewise bent up at right angles on the line 56 to form one end of the lid. The part 53 is also provided with flaps 59 and 60 adapted to be folded on the lines 61 and 62 respectively at right angles to the part 53 and lie adjacent to the side parts 51 and 52 respectively on the inside, to which parts the flaps are pasted or fastened in any other suitable manner. The cover part 50 is the same size as the bottom part 10, or just enough larger to allow for the thickness of the paper of which the box is made, so that when the cover is in place on the box the sides 51 and 52 of the cover will slide down over the sides 11 and 12 of the box and the end 53 of the cover will fit down over the end 14 of the box. In Fig. 3 I have shown these two parts of exactly the same size, disregarding in this instance the thickness of the paper. In Figs. 1 and 2 I have also disregarded the thickness of the paper, representing, in such figures, the edge of the paper in each case by a single line.

The end of the cover part 50 adjacent the apexes of the triangular parts 51 and 52 is attached to the edge of the end part 13 of the box by the two rectangular parts 70 and 71 as shown. The two parts 70 and 71 are the same in shape and both together are the same shape and size as the rectangular end part 13. The parts 70 and 71 are fastened together by the crease line 72, and the part 70 is fastened to the lid part 50 by the crease line 73. The part 71 is fastened to the end part 13 by the crease line 74.

After the box and lid have been formed, as explained above by folding up the sides and ends and fastening the flaps, the rectangular part 71 is folded on the line 74 down flat against the upper half of the outside surface of the end part 13 and fastened as by pasting, or in any other suitable manner. The box and lid are then in the posi-

tion shown in Figs. 4 and 6 in which the lid is shown open but not yet folded around under the box to form the support. From this position the lid may be closed as shown in Fig. 1 by bending on the lines 72 and 73 to bring the part 70 up flat against the part 71 thus allowing the lid to cover the box with the triangular lid parts 51 and 52 down over the rectangular side parts of the box 11 and 12 and the end part 53 of the lid down over the end 14 of the box. When it is desired to use the lid as an easel or support for the box it is folded on the lines 72 and 73 to the position shown in Figs. 2 and 7. This brings the part 70 flat against the lower half of the outside of the end part 13 and permits the bottom 10 of the box to rest flat upon the rectangular part 50 of the lid and lie coincident therewith. When in such position the parts 71 and 70 are flat against the outside of the end part 13 of the box and cover the same as shown in Fig. 2.

Although I have said that the flaps and part 71 are fastened in position by pasting it is obvious that, without detracting from the spirit of this invention, they may be fastened in position by any other suitable means as desired. For example, slots and tongues of any suitable construction or paper fasteners may be used. Although I have shown the box as formed from one flat sheet of paper it is obvious also that, without detracting from the spirit of this invention, it may be formed from two or more pieces or in any other desired manner.

While I have shown and described certain embodiments of my invention, it is to be understood that it is capable of many modifications. Changes therefore in the construction and arrangement may be made without departing from the spirit and scope of the invention as disclosed in the appended claims, in which it is my intention to claim all novelty inherent in my invention as broadly as possible in view of the prior art.

What I claim as new and desire to secure by Letters Patent is:

1. The combination with a box having a bottom and sides perpendicular thereto, of a lid including a main stiff flat part of the same size and shape as the top of the box having triangular shaped side parts substantially perpendicular thereto, the lid hinged at the end adjacent the apexes of the triangular parts to one perpendicular side of the box in such a manner as to permit it to be folded under the box to form a support for the same.

2. The combination with a box having a bottom and sides perpendicular thereto, of a lid including a main flat part of substantially the same size and shape as the top of the box having two triangular shaped side parts substantially perpendicular thereto, the lid hingedly connected at its end adjacent the apexes of the triangular parts to one of the perpendicular sides of the box on a horizontal line dividing said side into two halves by a rectangular part substantially equal in size and shape to one of the halves of said side.

3. The combination with a box comprising a bottom part and sides perpendicular thereto, of a lid including a main flat part of the same size and shape as the top of the box and having triangular shaped perpendicular side parts, the edge of the main flat lid part adjacent the apexes of the triangular parts being hingedly connected to one perpendicular side of the box in such a manner as to permit said lid to be folded to cover the box with such edge lying adjacent the upper edge of said perpendicular side of the box or folded underneath the box with such edge lying adjacent the lower edge of said perpendicular side.

In witness whereof I have hereunto set my hand and seal this 7th day of March, 1921.

MARCUS A. HIRSCHL. [L. S.]