

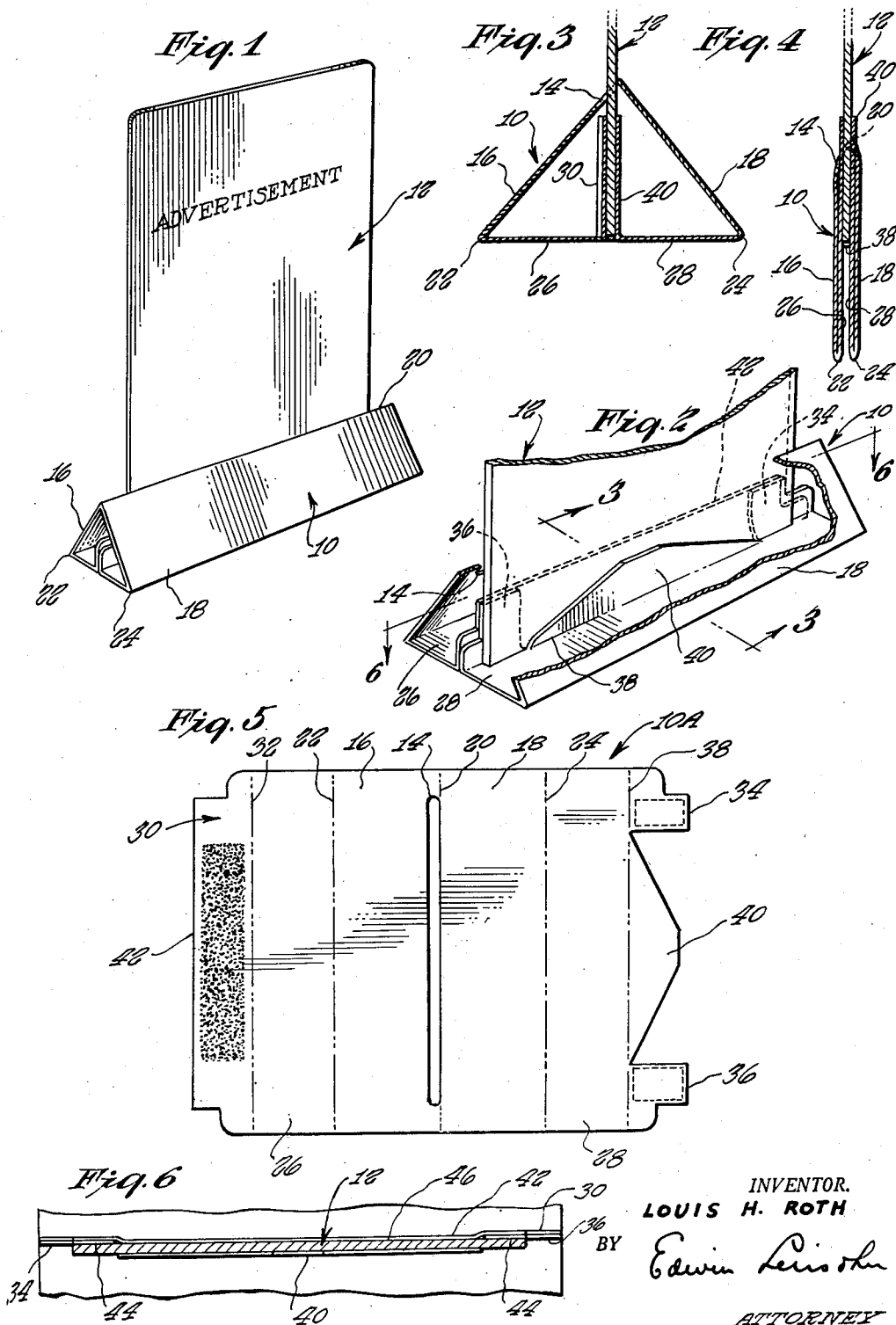
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FOLDABLE DISPLAY DEVICE WITH TRIANGULAR BASE

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FOLDABLE DISPLAY DEVICE WITH
TRIANGULAR BASE

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This invention relates to foldable display devices for advertising purposes.

One of the objects of the present invention is to provide a foldable display device of the type which comprises a triangular base and a vertical or upstanding panel with improved means for attaching the panel to the base.

Another object of the invention is to facilitate the securement of the panel to the base so that the parts of the display device may be easily and quickly assembled in the manufacture of the devices.

The above and other objects, features and advantages of the present invention will be fully understood from the following description, reference being had to the accompanying illustrative drawings.

In the drawings:

Fig. 1 is a perspective view of a foldable display device embodying the present invention, showing the device set up for use;

Fig. 2 is a perspective view of the lower part of the device, with parts cut away for the purpose of illustration;

Fig. 3 is a sectional view on the line 3—3 of Fig. 2;

Fig. 4 is a vertical sectional view of the device in the folded condition thereof;

Fig. 5 is a plan view of the blank from which the base is formed;

Fig. 6 is a sectional view on the line 6—6 of Fig. 2.

Referring now to the drawings in detail, the foldable display device of the present invention comprises a triangular base 10 formed in one piece of cardboard or any other suitable sheet material, and a vertical panel 12 which carries the advertising display on either one or both sides thereof. Panel 12 is also formed of cardboard or other suitable sheet material and is preferably made of cardboard which is thicker than the cardboard of which the base 10 is formed. It will be noted that there is a slot 14 in the base at the apex thereof and that panel 12 upstands from the base and projects through said slot, the lower end of said panel being positioned within the base between the opposite sides 16 and 18 and secured to integral parts of the base as hereinafter more particularly described.

The panel 10 is formed from the one piece blank 10A shown in Fig. 5. The fold line 20 of said blank is at the apex of the base when the latter is formed from said blank. The lower ends of the sides 16 and 18 are defined by the fold lines 22 and 24, respectively, at equal dis-

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tances from the fold line 20. The bottom of the base comprises the parts 26 and 28 of equal width. The bottom part 26 is provided with an extension or end portion 30 foldably connected thereto at the fold line 32. The bottom part 28 is provided with the end portions or tabs 34 and 36 foldably connected to said bottom portion at the fold line 38. Said bottom part is also provided with a part 40 which is foldably connected thereto at said fold line 38. It will be noted that part 40 is positioned between tabs 34 and 36 but is not connected thereto so that said tabs and part 40 are foldable to different positions with respect to each other at the fold line 38. The relatively foldable parts of the blank 10A are of such relative widths that the extension 30 of part 26 and the tabs 34, 36 and part 40 project through the slot 14 of the base when the latter is in its flat folded condition as shown in Fig. 4. On the other hand, when the base is in its triangular form parts 30, 34, 36 and 40 terminate below the apex of the base as shown in Fig. 3 and are in substantial vertical alignment with slot 14.

As hereinbefore indicated an important feature of the present invention resides in the manner in which the panel 12 is secured to the base. This feature will now be particularly described. As clearly shown in Figs. 2 to 4 and 6 the lower marginal end of panel 12 is secured to tabs 34 and 36 and to an intermediate part 42 of extension 30 preferably by means of adhesive which is interposed between only one side of said lower end portion of panel 12 and the adjacent surfaces of tabs 34 and 36 as indicated at 44 in Fig. 6 and between said one side of the panel and the adjacent surface of part 42 as indicated at 46 in Fig. 6. In this connection, it will be observed that the surface part 42 to which the panel is secured is exposed in the space between tabs 34 and 36 so that the panel may be disposed at the same side of the inwardly folded end portions of both bottom parts 26 and 28. In other words, said inwardly folded end portions of parts 26 and 28 to which the panel is secured are located at the same side of the panel and are relatively positioned longitudinally of the bottom of the base so that the panel may be secured to said end portions of both parts of the bottom of the base without requiring that the panel be positioned between said end portions. The stippled area on part 30 and the dotted outline on the tabs 34 and 36 represent the areas of adhesive securement of the lower marginal end of the panel to said parts 34 and 36, respec-

tively. Said dotted outline on tabs 34 and 36 indicate that the surfaces of securement of said tabs to the panel on the one hand, and the surface of securement of portion 30 to the panel, on the other hand, are on opposite sides of the blank 10A. Accordingly, when the blank is folded to form the base, said surfaces of portions 30, 34 and 36 all face in the same direction, i. e., toward one side of the base, here shown as side 18 to which bottom part 28 is joined. It will be noted that tabs 34 and 36 are in abutting face to face relation with adjacent end portions of part 30 but are not directly secured to the latter. On the other hand the adhesive securement of panel 12 to tabs 34 and 36 and to the intermediate portion 42 of part 30 results in the securement of said tabs to part 30, so that bottom parts 26 and 28 are foldably connected to each other at their adjacent edges. It will be noted that it is necessary to apply adhesive to only one side of the panel 12 at the lower marginal end thereof for securing said panel to the base and for securing the inwardly folded end portions 30, 34 and 36 together.

The inwardly foldable part 40 is not secured to the panel 12 but is useful as a stop or positioning member for the lower edge of the panel 12 during the assembly of said panel with the base and the securement of the panel to parts 30, 34 and 36. In assembling the panel with the base, after the blank 10A is folded at its several fold lines into the flat form illustrated in Fig. 4, the panel 12 is inserted through slot 14 in position between part 40 at one side of said panel and tabs 34 and 36 at the other side of said panel, said tabs being in abutting face to face relation with part 30. This positioning of the panel 12 is facilitated by the above described extension of parts 30, 34, 36 and 40 through slot 14 outwardly beyond the folded edge 20. The inner edge of part 40 at the fold line 38 limits the inward movement of panel 12 through slot 14, in the process of inserting said panel into the base and thus serves as positioning means for the panel in relation to the base so that the panel may be adhesively secured as herebefore described to part 30 and tabs 34 and 36. It will be understood that it is within the scope of the present invention to omit part 40 and if desired to use some other positioning means, for example, a guide mark on the face of the panel near the lower end thereof; also, it will be understood that part 40 may be of any suitable length.

It will be understood that various changes in the details of construction and in the form of the device and the parts thereof may be made without departing from the underlying idea or principles of this invention within the scope of the appended claims.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A display device comprising a triangular base formed of sheet material and having its sides foldably connected to each other at the apex of the base, said base having bottom parts foldably connected to said sides, respectively, at the lower ends thereof, one of said bottom parts having separate upwardly folded end portions in longitudinally spaced relation and the other of said parts having an upwardly folded end portion having a part which is exposed at the space between said spaced end portions, said base having a slot in the top thereof and said upwardly folded portions being in substantial vertical alignment with said slot, and a vertical panel upstanding from said base and extending through said slot

into the base, the lower end portion of said panel being positioned at the same side of the upwardly folded portions of both of said bottom parts and secured to said first mentioned end portions and to part of said other end portion in the space between said first mentioned end portions and a positioning member for said panel foldably connected to said one of said bottom parts in position between said spaced end portions.

2. A display device comprising a triangular base formed of sheet material and having its sides foldably connected to each other at the apex of the base, said base having bottom parts foldably connected to said sides, respectively, at the lower ends thereof, one of said bottom parts having separate upwardly folded end portions in longitudinally spaced relation and the other of said parts having an upwardly folded end portion having a part which is exposed at the space between said spaced end portions, said base having a slot in the top thereof and said upwardly folded portions being in substantial vertical alignment with said slot, and a vertical panel upstanding from said base and extending through said slot into the base, the lower end portion of said panel being positioned at the same side of the upwardly folded portions of both of said bottom parts and secured to said first mentioned end portion and to part of said other end portion in the space between said first mentioned end portions, the combined width of at least one of said bottom parts and its folded end portion being greater than the adjacent side of said base so that when said one of said bottom parts is folded flat against the inner surface of said adjacent side, the end portion of said one bottom part projects outwardly of the top of the base through said slot.

3. A display device comprising a triangular base formed of sheet material and having its sides foldably connected to each other at the apex of the base, said base having bottom parts foldably connected to said sides, respectively, at the lower ends thereof, one of said bottom parts having separate upwardly folded end portions in longitudinally spaced relation and the other of said parts having an upwardly folded end portion having a part which is exposed at the space between said spaced end portions, said base having a slot in the top thereof and said upwardly folded portions being in substantial vertical alignment with said slot, and a vertical panel upstanding from said base and extending through said slot into the base, the lower end portion of said panel being positioned at the same side of the upwardly folded portions of both of said bottom parts and secured to said first mentioned end portions and to part of said other end portion in the space between said first mentioned end portions and a positioning member for said panel foldably connected to said one of said bottom parts in position between said spaced end portions, the combined width of at least one of said bottom parts and its folded end portion being greater than the adjacent side of said base so that when said one of said bottom parts is folded flat against the inner surface of said adjacent side, the end portion of said one bottom part projects outwardly of the top of the base through said slot, said positioning member also projecting through said slot in the flat folded condition of said base.

4. A display device comprising a triangular base formed of sheet material and having its sides foldably connected to each other at the apex of the base, said base having bottom parts foldably connected to said sides, respectively, at the lower

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ends thereof, one of said bottom parts having separate upwardly folded end portions in longitudinally spaced relation and the other of said parts having an upwardly folded end portion having a part which is exposed at the space between said spaced end portions, said base having a slot in the top thereof and said upwardly folded portions being in substantial vertical alignment with said slot, and a vertical panel upstanding from said base and extending through said slot into the base, the lower end portion of said panel being positioned at the same side of the upwardly folded portions of both of said bottom parts and secured to said first mentioned end portions and to part of said other end portion in the space between said first mentioned end portions, the combined width of each of said bottom parts and its folded end portion being greater than the width of the adjacent side walls, respectively, so that when said bottom parts are folded flat between said side walls, the end portions of said parts project outwardly of the top of the base through said slot.

5. A display device comprising a triangular base formed of sheet material and having its sides foldably connected to each other at the apex of the base, said base having bottom parts foldably connected to said sides, respectively, at the lower ends thereof, one of said bottom parts having separate upwardly folded end portions in longitudinally spaced relation and the other of said parts having an upwardly folded end portion having a part which is exposed at the space between

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said spaced end portions, said base having a slot in the top thereof and said upwardly folded portions being in substantial vertical alignment with said slot, and a vertical panel upstanding from said base and extending through said slot into the base, the lower end portion of said panel being positioned at the same side of the upwardly folded portions of both of said bottom parts and secured to said first mentioned end portions and to part of said other end portion in the space between said first mentioned end portions and a positioning member for said panel foldably connected to said one of said bottom parts in position between said spaced end portions, the combined width of each of said bottom parts and its folded end portion being greater than the width of the adjacent side walls, respectively, so that when said bottom parts are folded flat between said side walls, the end portions of said parts project outwardly of the top of the base through said slot, said positioning member also projecting through said slot in the flat folded condition of said base.

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