June 13, 1933. J. H. DULIN ET AL 1,913,797

SELF ERECTING ILLUSTRATION

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Fig. 1.

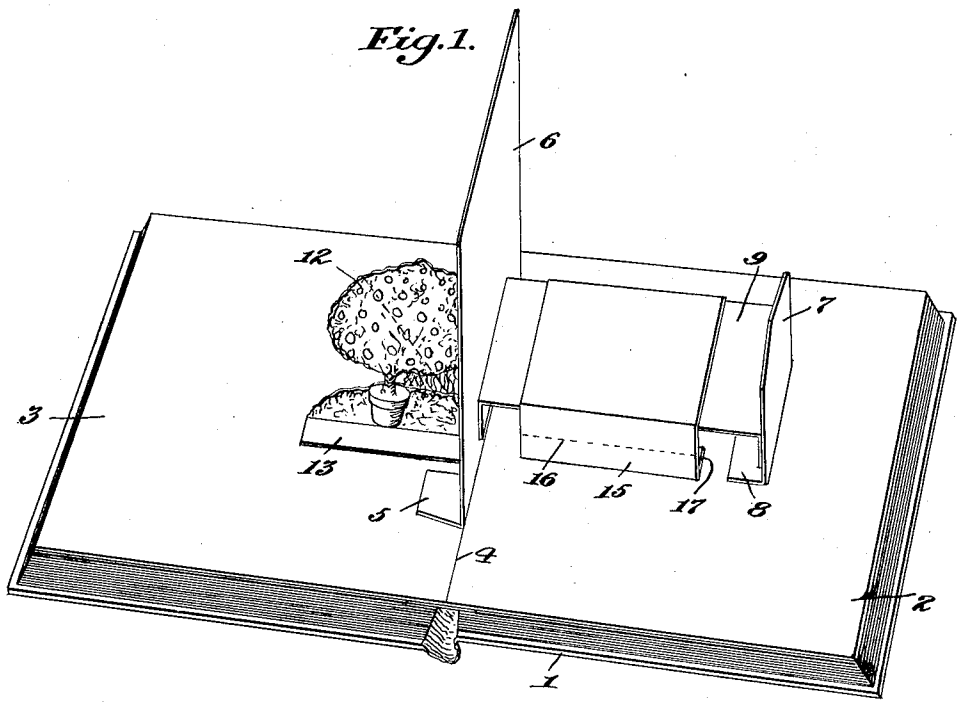


Fig. 2.

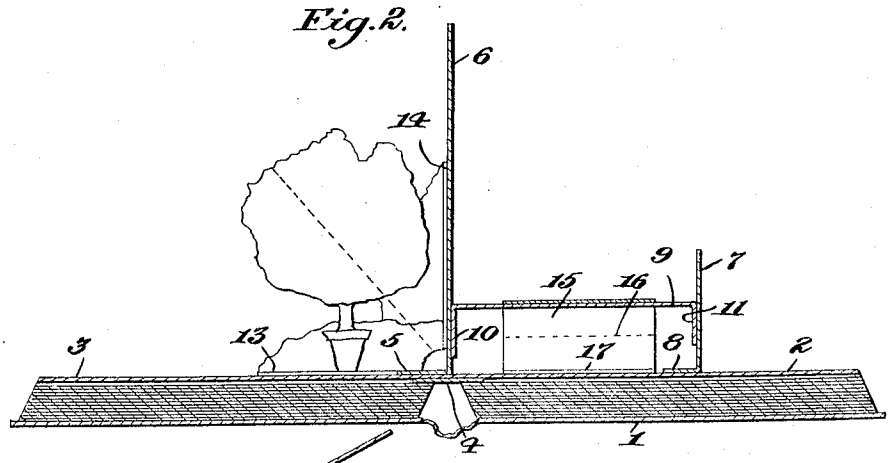
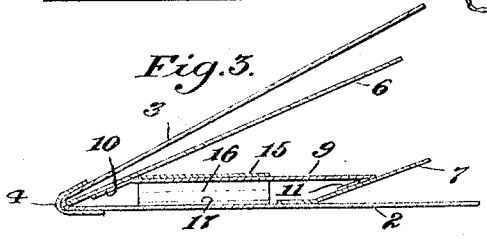


Fig. 3.



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Fig. 4.

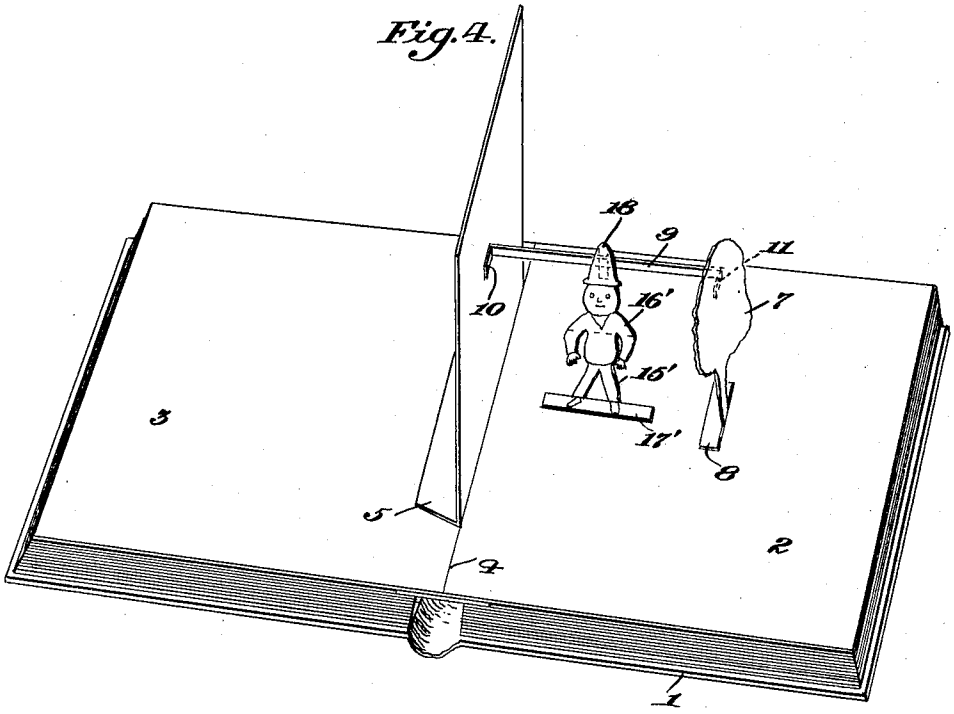
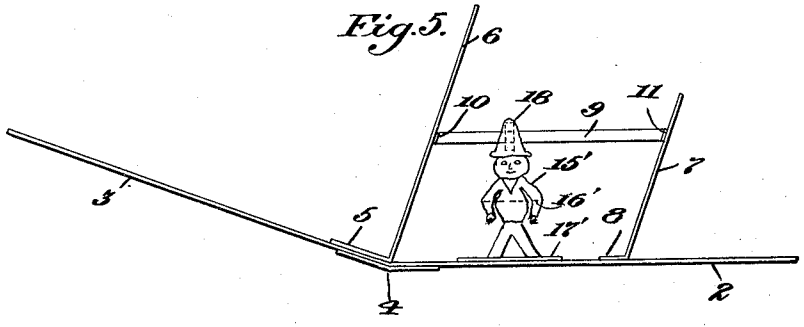


Fig. 5.



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SELF ERECTING ILLUSTRATION

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Fig. 6.

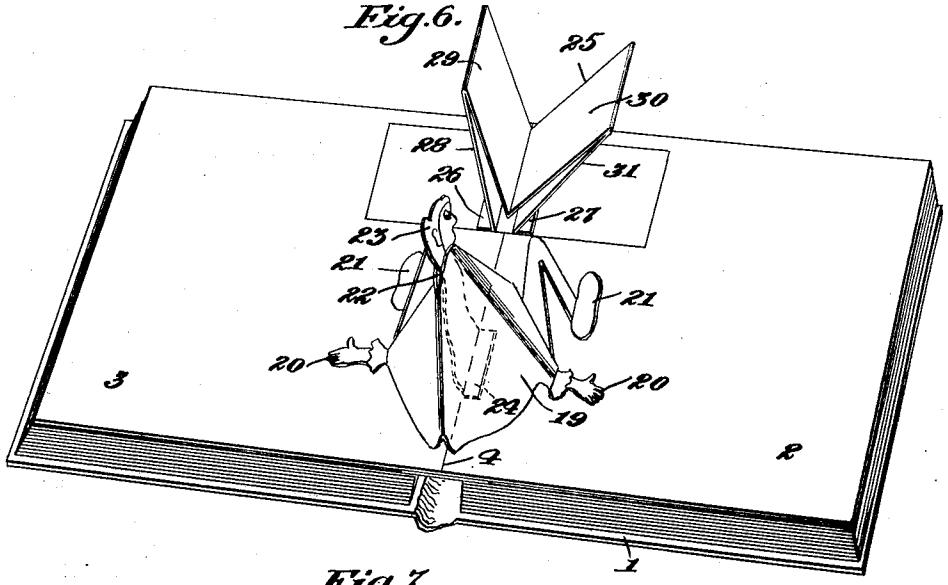
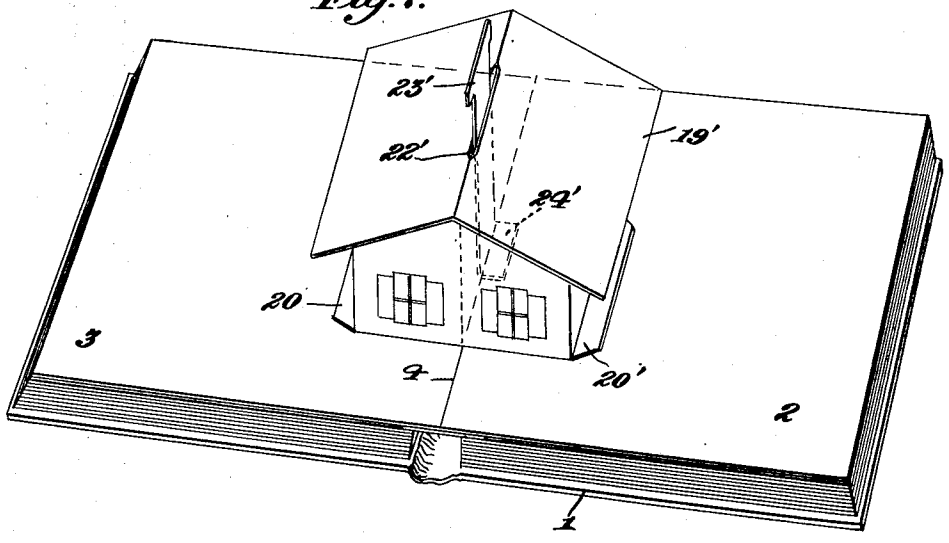


Fig. 7.



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Patented June 13, 1933 1,913,797

UNITED STATES PATENT OFFICE

JAMES H. DULIN AND HAROLD B. LENTZ, OF TOLEDO, OHIO, ASSIGNORS TO BLUE RIBBON BOOKS, INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK

SELF-ERECTING ILLUSTRATION

Application filed February 3, 1933. Serial No. 655,130.

The present invention relates to self-erecting illustrations, and which are more particularly adapted for location between adjacent leaves of a book, folder or the like.

Broadly, our invention is based on a novel construction and manipulation of said illustrations, several forms of which are shown, merely by way of example, in the accompanying drawings, and constituting what is at the present time, the preferred form of our invention.

In the accompanying drawings Fig. 1 is a perspective view of one form of self-erecting illustration as applied to a book, with the book in open position;

Fig. 2 is a transverse, vertical section through Fig. 1;

Fig. 3 is a section corresponding to Fig. 2, but with the adjacent leaves of the book partially closed;

Fig. 4 is a perspective view of a modification similar to Fig. 1;

Fig. 5 is an end view of the device of Fig. 4, with one of the adjacent leaves slightly tilted from its open position;

Fig. 6 is a perspective view of another form of our invention, disclosing a portion extending upwardly through an opening in a surrounding jacket, as well as an additional, small, accordion-pleated book disposed between adjacent leaves of the main book or folder, while

Fig. 7 is a view, similar to Fig. 6, of a modification employing the same essential principle as disclosed in Fig. 6.

As shown in Fig. 1, the book or folder 1, for which the generic term "book" will hereinafter be employed, has adjacent leaves or wall elements 2 and 3 joined together along a longitudinal fold 4, along which is pivotally secured in any desired manner, as by an adhesive strap 5, a central member 6. On either wall element 2 or 3, but as shown, on element 2, is provided, substantially centrally, a collapsible element 7, which may take any desired form. In Fig. 1, for instance, the element 7 is in the simulation of the footpost of a bed, while in Fig. 4, it is in the shape of a tree. This collapsible element 7 may likewise be secured to the wall element 2 in any desired manner, as by a strap 8. Extending transversely between the central member 6 and the collapsible element 7 is a tie member 9, which as shown, is pivotally mounted, as by means of straps 10 and 11.

In Fig. 1 a suitable retaining element 12 is pivotally mounted, both at 13 to the wall element 3, and at 14 to that side of the central member 6 which is opposite to the tie member 9, in order to facilitate raising the member 6 and element 7 when the wall elements are opened. Further, as shown in Fig. 1, a substantially U-shaped retaining member 15, shown in the simulation of a bed covering, and provided with collapsible joints 16 substantially midway of each of its leg portions, and disposed transversely of said wall member 2 and secured thereto by suitable means such as straps 17, fits about the tie member 9, and prevents its rising beyond a predetermined height upon opening of the wall elements 2 and 3, thus ensuring the simulation of a neat, orderly-appearing bed.

Obviously the retaining member may assume any desired form, and Figs. 4 and 5 show this member in the simulation of a man 15′, secured to wall element 2 by a strap 17′, and having a fold 16′. A suitable eye-shaped loop or the like 18 is shown as slidably securing the tie member 9 to the retaining member 15′. The operation of the device of Figs. 4 and 5 is the same as that of Figs. 1–3.

In Figs. 6 and 7 are shown certain other features of our invention.

At 19 in Fig. 6 and 19′ in Fig. 7 are shown partly collapsible figures, collapsible to a certain extent in a vertical direction when the wall elements 2 and 3 are extended, and extensible along a direction transversely of the principal axis of the book when the wall elements are folded. In suitable manner, as at 20, 20 and 21, 21 in Fig. 6 and at 20′, 20′ in Fig. 7, the figures are pivotally secured to the corresponding wall elements, and are provided respectively with slots or apertures 22, and 22′, through which slide fixed members 23

and 23′, secured to the wall elements 2 and 3 along the fold 4 by means such as straps 24 and 24′, respectively. Because the member 23 is fixed and the figure 19 is partly collapsible, the member 23 extends upwardly through the opening 22 when the wall elements 2 and 3 are opened, and appears to be withdrawn through said opening when the wall elements are closed.

A further feature of our invention comprises an accordion pleated booklet 25 formed substantially centrally between adjacent wall elements 2 and 3, and secured thereto in suitable manner as by straps 26 and 27.

On the outer faces 28, 29, 30, and 31 may be inscribed suitable material, such as pictures, rhymes, and the like.

In use, it is possible to impart a pleasing appearance of motion to the figures when the wall elements are opened, by gently and slightly moving the wall elements to and fro from their completely extended position, thereby increasing the interest in the figures.

It is obvious that once our invention is disclosed, numerous modifications and adaptations will readily occur to those skilled in the art. Accordingly, it is intended that our invention be limited only by the scope of the appended claims.

We claim:

1. An upstanding display device, comprising two wall elements folded along their longitudinal center, and collapsible on each other, a central member pivoted at said fold, a collapsible member securing said central member to one of said wall elements, a collapsible element pivotally secured to the other of said wall elements substantially parallel to said central element, a tie member pivoted to both said central member and said collapsible element, and a retaining member pivoted to said last-mentioned wall element and contacting with said tie member in such manner as to limit the upward movement thereof from the surface of the wall element, when the wall elements are unfolded into extended position.

2. An upstanding display device, comprising two wall elements folded along their longitudinal center, and collapsible on each other, a central member pivoted at said fold, a collapsible member securing said central member to one of said wall elements, a collapsible element pivotally secured to the other of said wall elements substantially parallel to said central element, a tie member pivoted to both said central member and said collapsible element, and a U-shaped retaining member pivoted to said last-mentioned wall element and encircling with its yoke portion the said tie member in such manner as to limit the upward movement thereof from the surface of the wall elements, when the latter are unfolded into extended position.

3. An upstanding display device, comprising two wall elements folded along their longitudinal center, and collapsible on each other, a central member pivoted at said fold, a collapsible member securing said central member to one of said wall elements, a collapsible element pivotally secured to the other of said wall elements substantially parallel to said central element, a tie member pivoted to both said central member and said collapsible element, and a U-shaped retaining member extending longitudinally of and pivotally secured by its legs to said last-mentioned wall element and encircling with its yoke portion the said tie member in such manner as to limit the upward movement thereof from the surface of the wall elements, when the latter are unfolded into extended position.

In testimony whereof they have signed their names to this specification.

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HAROLD B. LENTZ.