Feb. 9, 1932. T. BROWN 1,844,816

TOY BOOK

Filed July 25, 1929

FIG. 1.

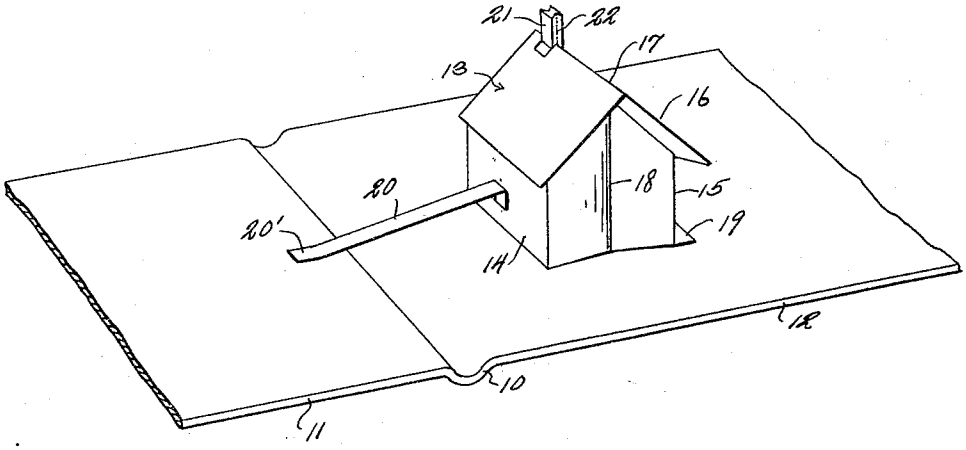


FIG. 2.

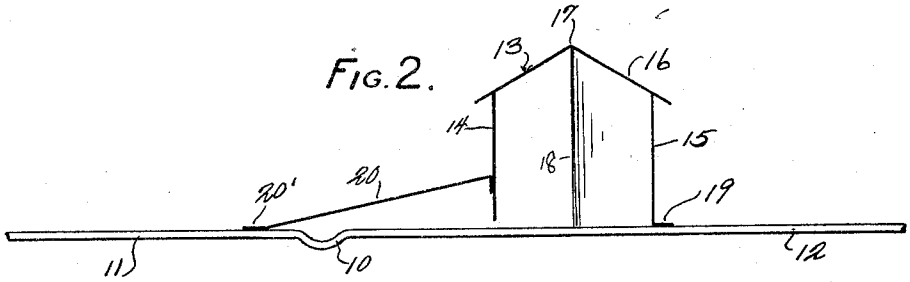
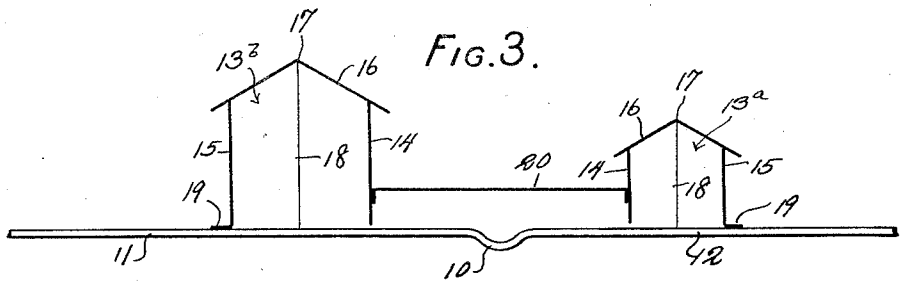


FIG. 3.



Inventor
Theodore Brown
By Watson E. Coleman
Attorney

Patented Feb. 9, 1932

1,844,816

UNITED STATES PATENT OFFICE

THEODORE BROWN, OF VICTORIA, ENGLAND, ASSIGNOR TO STEPHEN LOUIS GIRAUD, OF LONDON, ENGLAND

TOY BOOK

Application filed July 25, 1929, Serial No. 381,019, and in Great Britain February 1, 1929.

This invention relates to books having collapsible or foldable objects affixed to opposite pages of the book in such manner that on opening out the book, the toys or objects are caused to be unfolded and erected to an upstanding position and when the book is closed, the object will be folded and compressed between the pages.

The object of the present invention is to provide a book with an object of this character mounted on one page of the book and provide means attached to the other page of the book whereby the object may be caused to be unfolded and erected when the book is opened and a further object is to provide a book of this character having two of such objects disposed on opposite pages of the book and so connected to each other that when the book is closed, both of said objects will fold up or collapse and when the book is opened, both of said objects will unfold and be erected.

My invention is illustrated in the accompanying drawings, wherein:—

Figure 1 is a perspective view of a book unfolded or opened with a foldable object mounted on one leaf of the book and so connected to the opposite leaf as to erect and unfold when the book is opened;

Figure 2 is a diagrammatic view of the object and the book, the book being shown in edge elevation and the object being shown as erected;

Figure 3 is a like view to Figure 2 but showing two objects mounted upon opposite pages of a book.

Referring to Figures 1 and 2, 10 designates a book having the opposed leaves 11 and 12, the book being diagrammatically shown in Figures 1, 2 and 3. Disposed on one of these pages or leaves is an object designated generally 13 shown in the drawings as having the form of a house. This object as illustrated in Figure 2 is formed with the two walls 14 and 15 and with the roof 16 which is foldable along the line 17. The end walls of the house are foldable inward along the line 18, as shown in Figure 1. The wall 15 of this object is provided with a flanged portion 19 which is pasted or glued to the leaf 12 of the book, the other wall 14 being unattached to the leaf of the book so that it may move relative to the wall 15. Attached to the wall 14 and extending therefrom over to the opposite page 11 is a strip of paper or other material 40 which at its end remote from the object is pasted, glued or otherwise attached to the leaf 11 at 21.

It will be obvious now that when the book is closed, the object will fold upon the line 17 of the roof and upon the lines 18 of the end walls, these end walls being free from attachment to the roof.

The chimney 21 is also collapsible by having its two end walls foldable upon the dotted line 22 as in Figure 1. Thus when the leaf 11 is folded over upon the leaf 12, the object will automatically fold upon these lines 18, 17 and 22 and will fold over upon the flange 19 which constitutes a hinge under these circumstances.

In Figure 3, I have illustrated diagrammatically a book 10 having the leaves 11 and 12 as before described but having two collapsible or foldable figures mounted thereon designated respectively 13*a* and 13*b*. These figures 13*a* and 13*b* in the drawings have the shape of houses or cottages and have the same general construction as the structure shown at 13 in Figure 1. Each of these figures 13^a and 13^b has its outermost wall 15 attached to the page of the book by the flange 19, the opposite wall 14 being detached. The opposed walls 14 of these figures are connected by means of the band or strip 20^a which has exactly the same function as the strip 20 previously described. This strip 20^a is sufficiently stiff so that as the leaves of the book are folded toward each other, the objects will fold up as previously described and will eventually be turned over flat upon the pages of the book and as the leaves of the book are opened out, the pull on the flanges 19 will pull the objects from a collapsed to an open position and will also pull them to an erect position.

It will be seen that the objects attached to the pages of the book as heretofore described may be of such character as to serve as illustrations of the text of the book or

they may, of course, have no relation thereto.

While I have illustrated the objects 13 and 13*a* and 13*b* as having the form of small houses, it is obvious that they may have the form of small pieces of furniture or any object which could be expanded or collapsed in the manner shown and which may be pulled into an erect position upon the opening of the book and forced into a prone position by the closing of the book.

While I have heretofore referred to my invention as being primarily intended for children's books, it obviously may be equally well used as means for advertising or for educational purposes.

I claim—

1. An article of the character described including two hingedly connected leaves, a foldable object hingedly connected to one leaf midway of its width and adapted to fold flat thereagainst when the leaves are closed against each other, and a member connected at one extremity to the opposite leaf outward of the fold between the leaves and extending across said fold and at its other extremity connected to the foldable object whereby when the leaves are opened into approximately the same plane, the object will be drawn to an erect position perpendicular to the plane of the opened leaves.

2. An article of the character described, including two foldably connected leaves, an object hingedly attached at its base to one leaf midway between the outer edge of said leaf and the fold between the leaves whereby said object may fold over flat upon said leaf when the leaves are closed against each other, and a connecting member operatively connected to the opposite leaf between the outer margin of the same and the fold between the leaves and extending across the fold between the leaves and at its other end being connected to said object above its base whereby when the leaves are opened to approximately the same plane, the object will be drawn to an erect position perpendicular to the plane of the open leaves.

3. An article of the character described, including two hingedly connected leaves and a foldable object having opposed side walls, foldable end members flexibly connected to the side walls, said side walls extending parallel to the fold between the elevations and the outermost side wall being hingedly connected to the leaf, the opposite side wall being free from attachment to the leaf, and a connecting member attached to the last named side wall and extending across the fold between the leaves and attached to the opposite leaf whereby when the leaves are open to approximately the same plane, the object will be unfolded and drawn to an erect position perpendicular to the plane of the open leaves.

4. An article of the character described including two foldably connected leaves, two foldable objects disposed one on each leaf, each object having parallel walls, one wall being hingedly attached at the side adjacent the outermost edge of the corresponding leaf, the opposite edge of the object being free from attachment to the leaf, and a connecting member engaged with the adjacent unattached walls of the objects and extending across the fold between the leaves whereby when the leaves are opened to approximately the same plane, both objects will be unfolded and drawn to an erect position perpendicular to the plane of the leaves.

5. An article of the character described, having two foldably connected leaves, objects hingedly attached to the surfaces of the leaves whereby the objects may be folded over upon the leaves, each object toward the outer end of the leaf in a direction at right angles to the fold between the leaves and a connecting member attached at its opposite ends to said objects extending across the fold between the leaves whereby when the leaves are opened, to approximately the same plane, the objects will be drawn to an erect position perpendicular to the plane of the leaves.

In testimony whereof he has affixed his signature.

THEODORE BROWN.