July 16, 1957 W. K. TILLEY 2,799,105

INTER-CHANGEABLE PICTURE MEANS

Filed May 25, 1954 2 Sheets-Sheet 1

Fig. 1.

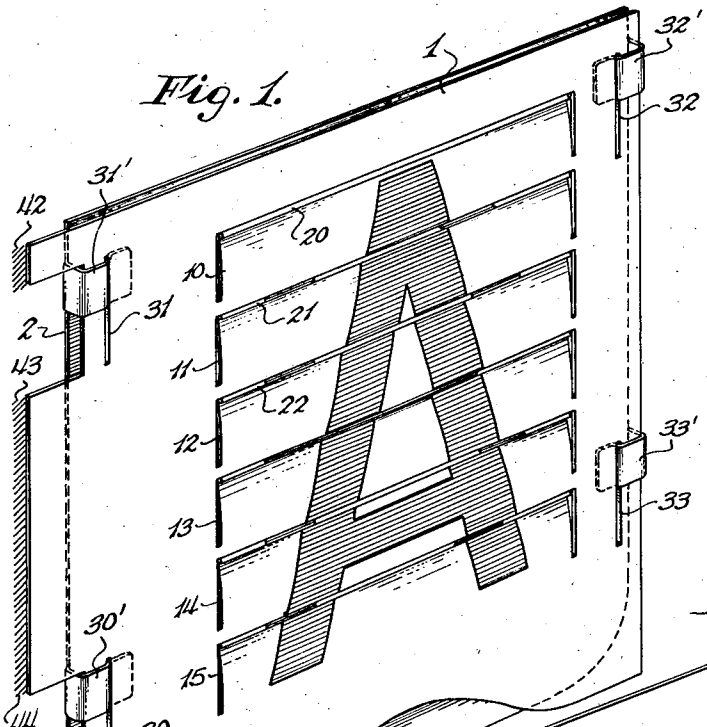


Fig. 2.

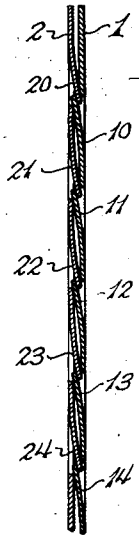


Fig. 3.

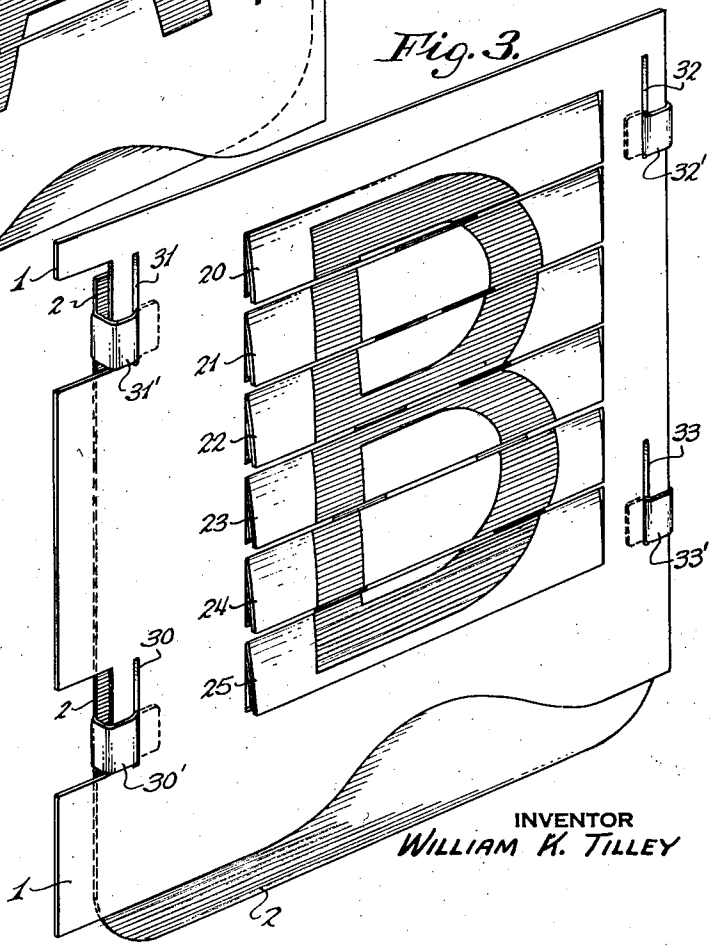
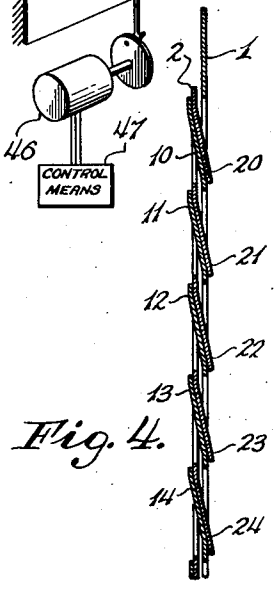


Fig. 4.



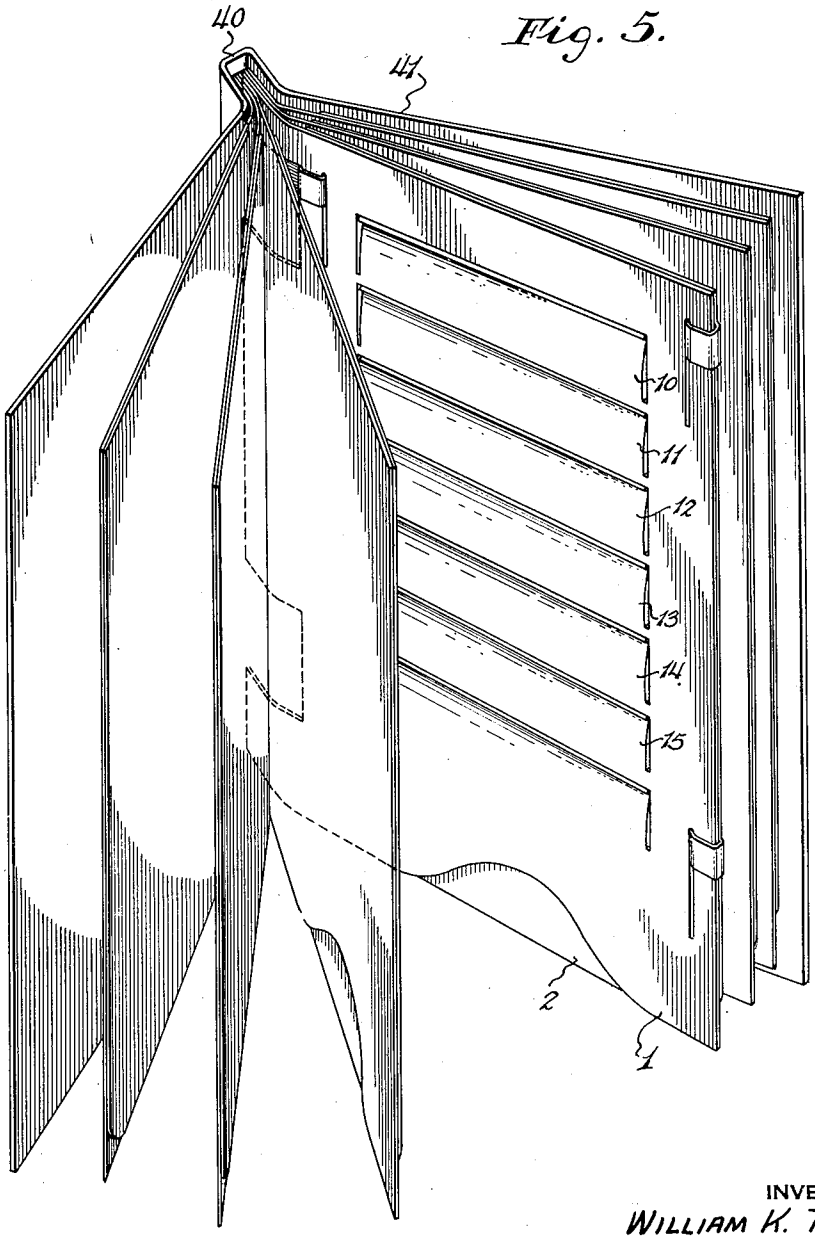
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July 16, 1957 W. K. TILLEY 2,799,105

INTER-CHANGEABLE PICTURE MEANS

Filed May 25, 1954 2 Sheets-Sheet 2

Fig. 5.



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INTER-CHANGEABLE PICTURE MEANS

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Application May 25, 1954, Serial No. 432,110

1 Claim. (Cl. 40—62)

This invention relates to inter-changeable picture means and more particularly to such means adapted to be mounted in a book.

The present invention comprises a pair of flat cardboard members, each having a plurality of flaps cut therein. The flat members are mounted in reciprocating arrangement with the flaps interlocking. First and second pictures are printed on the flaps of the first and second members respectively, and when one member is slid or reciprocated relative to the other the picture will change from one to the other. Third and fourth pictures may also be printed on the back of the first and second page members and the third and fourth pictures will also change as the members are slid relative to one another.

The present invention is adapted to be mounted in a book, for instance, a children's book. The members are mounted in the proper reciprocating relation by means of slots cut in one member and tabs attached to the cut member so that the tabs may extend through the slots and hold the members in the proper operating relation.

The invention may also be separately mounted and may be motor driven, for instance, in an advertising or educational display.

Accordingly, a principal object of the invention is to provide new and improved inter-changeable picture means.

Another object is to provide new and improved picture means adapted to be mounted in a book.

Another object is to provide a changeable pictorial representation.

Another object is to provide a changeable pictorial representation for a book.

Another object of the invention is to provide changeable picture means comprising first and second page members, each having a plurality of slots cut therein to form a plurality of flaps, said members being mounted with said flaps in interlocking relation, whereby first and second interchangeable pictures may be printed on the front of said first and second members and third and fourth interchangeable pictures may be mounted on the back of said first and second members.

These and other objects of the invention will be apparent from the following specifications and drawings of which:

Figure 1 is a perspective view of an embodiment of the invention showing a first picture;

Figure 2 is a sectional view of Figure 1.

Figure 3 is a perspective view of the embodiment of Figure 2 in a second position and showing a second picture.

Figure 4 is a sectional view of Figure 3, and

Figure 5 is a perspective view of the embodiment of Figure 1 and 3 mounted in a book.

Referring to Figure 1, there is shown a first cardboard page member **1**, which has a plurality of flaps **10**, **11**, **12**, **13**, **14** and **15** cut therein. A second member **2**, has a plurality of flaps **20**, **21**, **22** and **23**, cut therein.

The members **1** and **2** are mounted in interlocking, reciprocating relation by means of the slots **30**, **31**, **32** and **33**, and tabs **30'**, **31'**, **32'** and **33'** attached to the bottom member **2**.

The flaps are formed by cutting a three sided slot in the respective members. The flaps preferably have a curvature set into them by bending so that they will more easily fit together, and also minimize jamming.

Figure 1 shows a first position in which the flaps **10**, **11**, etc., of the member **1** are uncovered and showing a first picture which in this case is the letter "A." Referring also to Figure 2 note that the flaps **20**, **21**, **22** of member **2** just overlap the flaps of the member **1**. This slight overlapping is necessary to prevent jamming and misalignment of the members. The overlapping is very slight and does not appreciably interfere with the pictorial representation.

The amount of travel of the respective members is controlled by the length of the guide slots **30**, **31**, **32** and **33**, which cooperate with the tabs of the member **2**, in such a manner as to limit the travel to avoid the complete disengagement of the flaps. In other words the guide slots are carefully designed so that the flaps will not become disengaged and cause any jamming.

A primary advantage of the present invention is the fact that the overlapping of the flaps is held to a minimum and, therefore, the back of the two page members may be used to show third and fourth pictures in the same manner as illustrated in Figures 1 and 3, which show the front.

The invention may also be solidly mounted as shown at **42**, **43**, **44** and **45**, for instance, in a frame and may be automatically reciprocated by a motor **46** drive, the motor being controlled by central means **47** which may be a switch, an electric eye or other controller.

Figure 3 shows the page member **2**, moved down relative to the member **1**, so that the flaps **20** to **25**, of the member **2**, are exposed, showing a new picture which is illustrated as the letter "B." Figure 4 shows a sectional view of Figure 3.

Referring to Figure 5, the embodiment of the invention is shown in book form. The left hand side of the member **1**, being inserted in the binding **40** of the book **41**.

Any number of inter-changeable picture means may be bound in a book. The invention may also be used by itself for educational or advertising purposes. It would be quite useful in depicting "before" and "after" situations.

I claim:

Interchangeable picture means comprising first and second flat unitary sheet members having a plurality of slots cut therein forming a plurality of flaps all extending in the same direction, said members being mounted with said flaps in interlocking relation, first and second pictures placed on the front of the flaps of said first and second members, and third and fourth pictures placed on the backs of the flaps of said first and second pictures and said third and fourth pictures may be interchanged by moving said first and second members relative to each other, mounting means for said first and second members comprising a pair of guide slots cut in said first member and a pair of tabs connected to said second member and adapted to extend through said guide slots, the length of said guide slots being chosen to permit the minimum necessary overlapping of said flaps.

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