Dec. 9, 1947. H. C. LEECH 2,432,318

ANIMATED ILLUSTRATION

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Fig. 1.

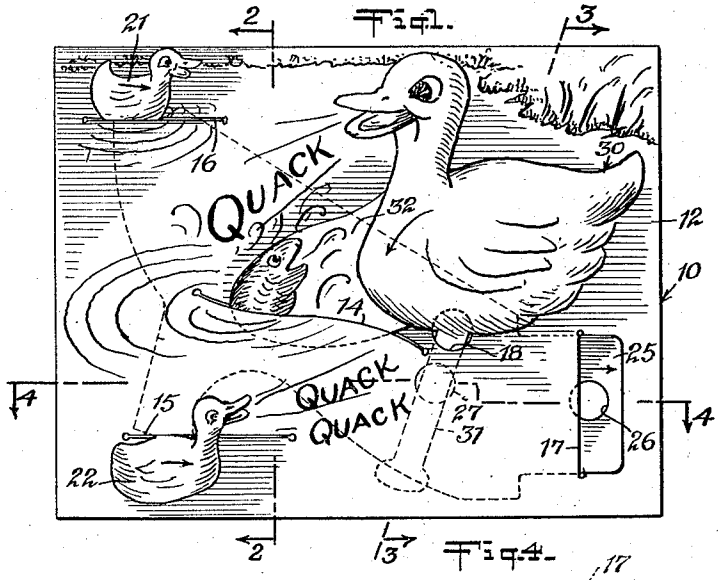


Fig. 2.

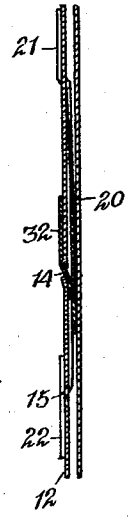


Fig. 3.

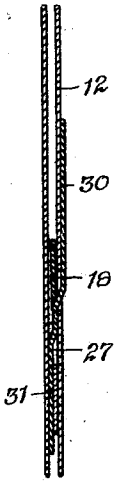


Fig. 4.

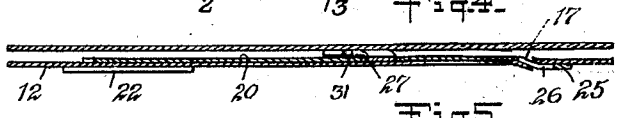
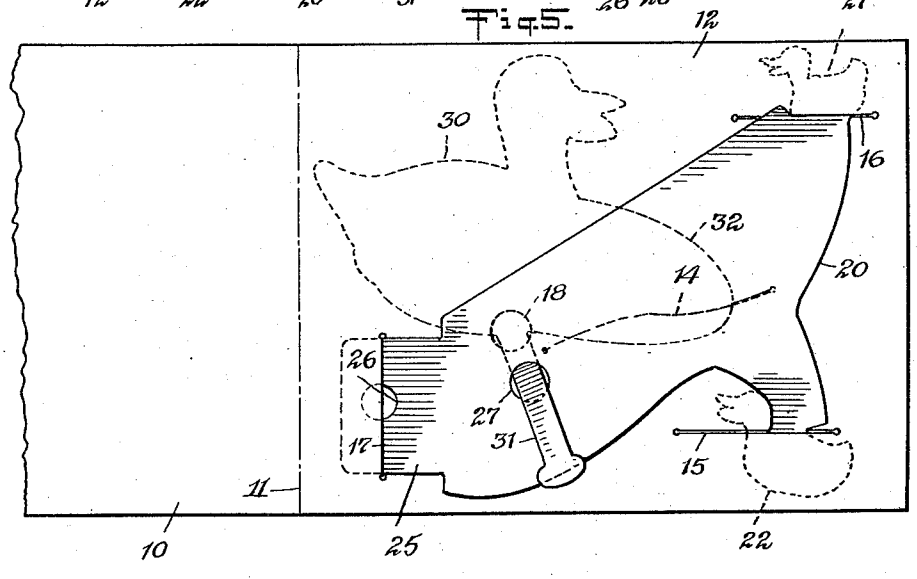


Fig. 5.



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Fig. 6.

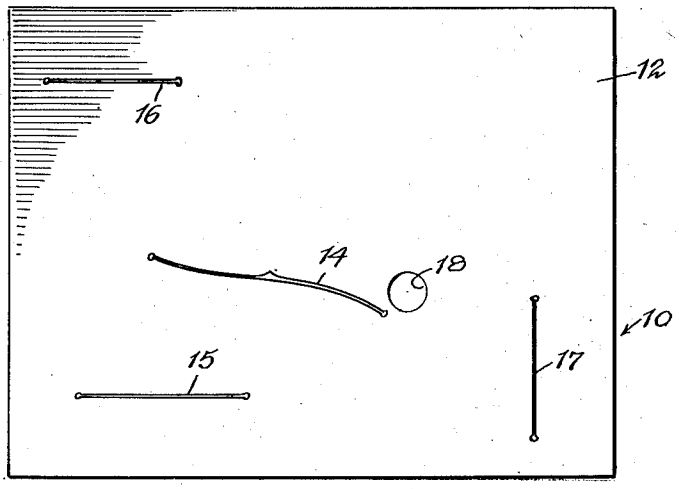


Fig. 7.

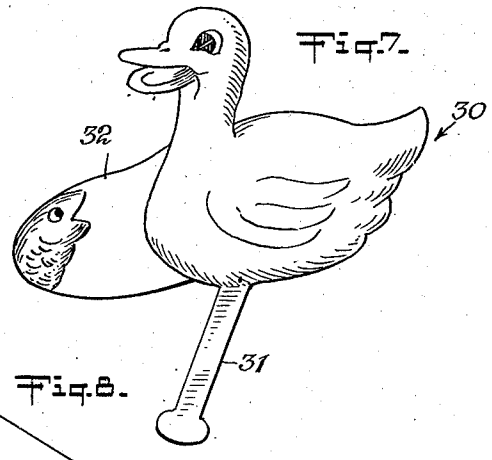
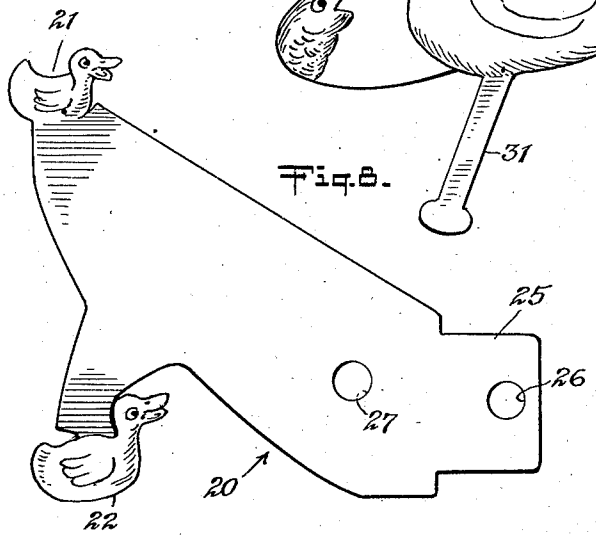


Fig. 8.



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ANIMATED ILLUSTRATION

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Application December 21, 1944, Serial No. 569,135

2 Claims. (Cl. 46—36)

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This invention relates to animated figures and more particularly to flat animations which may readily be made up in book form although it is expressly not so limited.

An object of the invention is to provide a construction wherein a single lateral motion may be used to produce movement both laterally and in another direction.

Other objects and advantages will appear as the description proceeds.

In the accompanying drawings—

Figure 1 shows a sample of the preferred form of my invention;

Fig. 2 is a cross sectional view on the line 2—2 of Fig. 1;

Fig. 3 is a cross sectional view on the line 3—3 of Fig. 1;

Fig. 4 is a cross sectional view on the line 4—4 of Fig. 1;

Fig. 5 is a rear view;

Fig. 6 is a view of the front sheet making up the animation;

Fig. 7 is a view of one of the figures;

Fig. 8 is a view of another figure.

It will be understood that the disclosure here is merely for the purpose of illustrating the invention and that it is not limited to the shape or number of figures involved. Where my invention is to be in a book the preferred form may be made in a single sheet 10 which may be folded upon itself at 11 and the loose edges bound into a book so that the working parts are completely covered.

The front face 12 of the sheet 10 is slotted in accordance with the particular animation to be used. As an example, the sheet is slotted at 14, 15, 16 and 17. A circular opening 18 is also provided. The primary moving member 20 may be provided with as many figures as desired. These figures are so spaced as to correspond with certain of the slots in the front sheet. In the present instance two figures 21 and 22 are provided to correspond with the slots 16 and 15. Preferably the outermost of the figures on each side should pass through a slot in a different direction. In the present instance figure 21 passes upwardly through the slot 16 while the figure 22 passes downwardly through the slot 15. This arrangement tends to position one end of the primary moving member 20 since it is supported at the top and bottom. Member 20 is provided with an operating tab 25 which extends through the slot 17, thus giving a three-point suspension to the primary moving member. A hole 26 may be provided to furnish a better grip and a pivot hole 27 is also provided for the secondary moving member.

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It will be understood that while I have shown only two moving members any number may be provided by extending the length of the primary member and furnishing additional pivot openings. The secondary moving member 30 is provided with an arm 31 which is adapted to pass through the opening 18 in the front sheet and also through the opening 27 in the primary moving member.

The secondary member 30 has an extension 32 which is adapted to pass through the slot 14. When the animation is assembled movement of the tab 25 will move the primary member laterally, thus causing the figures 21 and 22 to move within the slots 15 and 16 in a lateral direction. The arm 31 on the secondary element pivots in the opening 18 and is engaged further down by the primary element which, as it moves laterally, causes the secondary element to pivot on the opening 18 and through the slot 14. Two motions are thus created, one a lateral motion and the second a pivotal motion. In the present example the two smaller ducks 21 and 22 move back and forth across the face of the pond while the larger duck will dive after the fish when the tab 25 is manipulated.

I claim:

1. An animation including a sheet having a plurality of parallel openings and an opening at right angles to said parallel openings, a primary member having an operating tab extending through said right angle opening and figures extending through said parallel openings to position said primary member for lateral movement with respect to said sheet, and a secondary member having an arm pivoted through an opening in said sheet and directed crosswise of said parallel openings and slidably engaging through an opening in said primary member.

2. An animation including a sheet having at least two parallel openings and an opening at right angles to said parallel openings, a primary member having an operating tab extending through said right angle opening and figures extending through said parallel openings to position said primary member for lateral movement with respect to said sheet, and a secondary member having an arm pivoted through an opening in said sheet and directed crosswise of said parallel openings and slidably engaging through an opening in said primary member.

HERBERT C. LEECH.