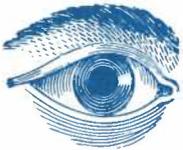


MOVING PICTURES AT YOUR FINGER TIPS

When we go to a film at a movie theater or look at television at home we are actually watching hundreds of individual picture frames. They create the illusion of movement because each one follows the one before it so quickly that we don't see the spaces between them. This phenomenon, where our brains are tricked into thinking they see continuous movement instead of a series of stills, is called persistence of vision.



In the 1800s a variety of optical toys became popular. Both adults and children enjoyed fooling their eyes with such amusements as flip

books. Follow these directions to make your own.

You Will Need: Scissors and a Stapler

Here's How:

1. Carefully cut out the pictures on page 14 along the blue lines. *If you don't want to cut up your magazine make a duplicate of this section on a copy machine.*



2. Each rectangular picture is numbered. Arrange them in numerical order with number one on the top and number fifteen on the bottom. All pictures should face up.

3. Lightly tap the stack of pictures on a flat surface so that the bottoms of all the pages are even. *The better these are lined up, the better your moving picture will be.*

4. Staple the sheets together at the top of the picture.

Now you are ready to make these men jump. Hold the stapled end of your flip book in one hand. Then, with the thumb of your other hand, flip the pictures from front to back.

If you liked making these still pictures appear to move, try drawing a set of frames for your own personalized flip book. *Remember, your book can have many more than fifteen pages but should not have less.*

1



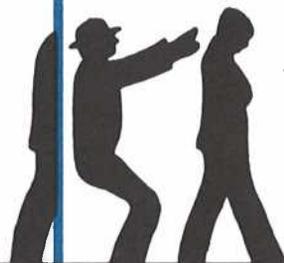
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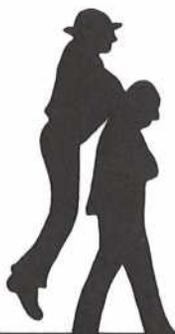
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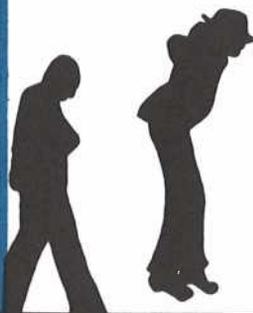
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