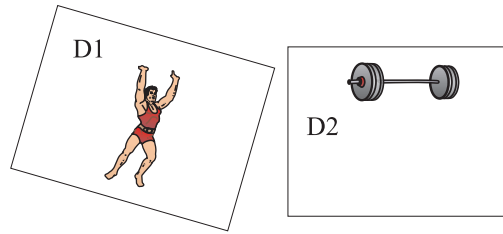
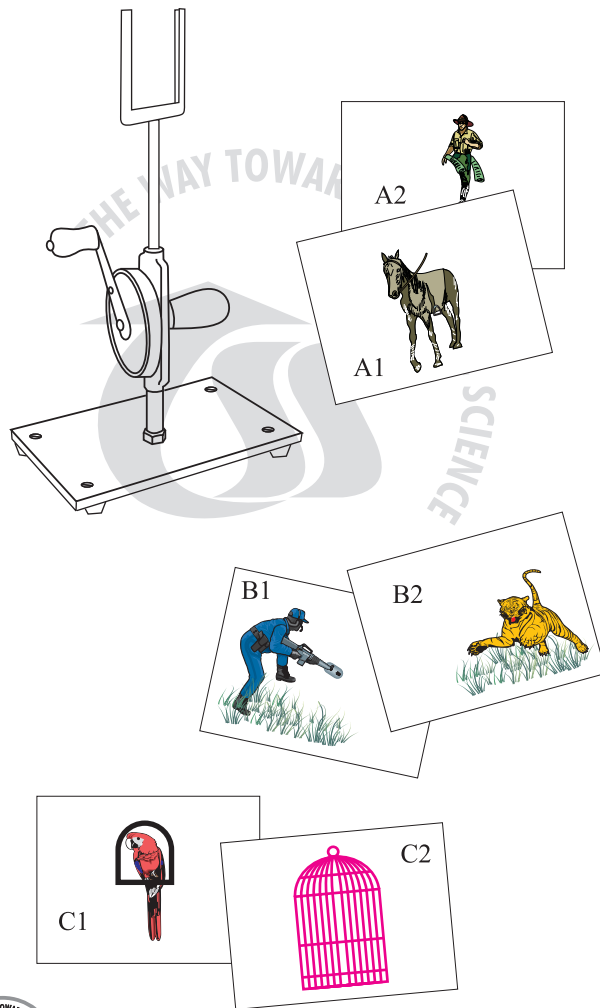


# PERSISTENCE OF VISION

Man riding horse, Weight lifter lifting weight

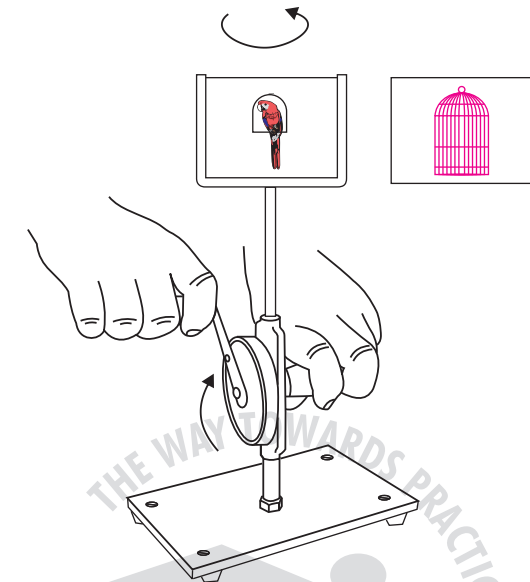
## Assembly



Consists of a hand drill machine fixed on a blue colored MS base. A metal assembly made in the shape of  $\Upsilon$  is fixed to the machine. This assembly is used to place the required picture to be observed. Five cards of different pictures are provided with the assembly.



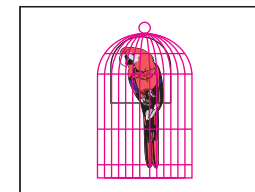
## To Do and observe



Place a card with a picture of parrot on one side and cage on the other side in the  $\Upsilon$  shaped metal assembly.

Turn the handle slowly you will find picture of the parrot on one face and picture of an empty cage on the other face of the card.

Rotate the handle fast.



You will now see only one picture, the bird sitting in side the cage

Repeat the same with the remaining four cards.

### What is going on ?

The image retains on human retina for  $1/16^{\text{th}}$  of a second. If another image cast on the retina within this period both the images get superimposed and we see the combined image of the two. Hence the result.

### Application

The same technique is used in motion pictures.



# PERSISTENCE OF VISION

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