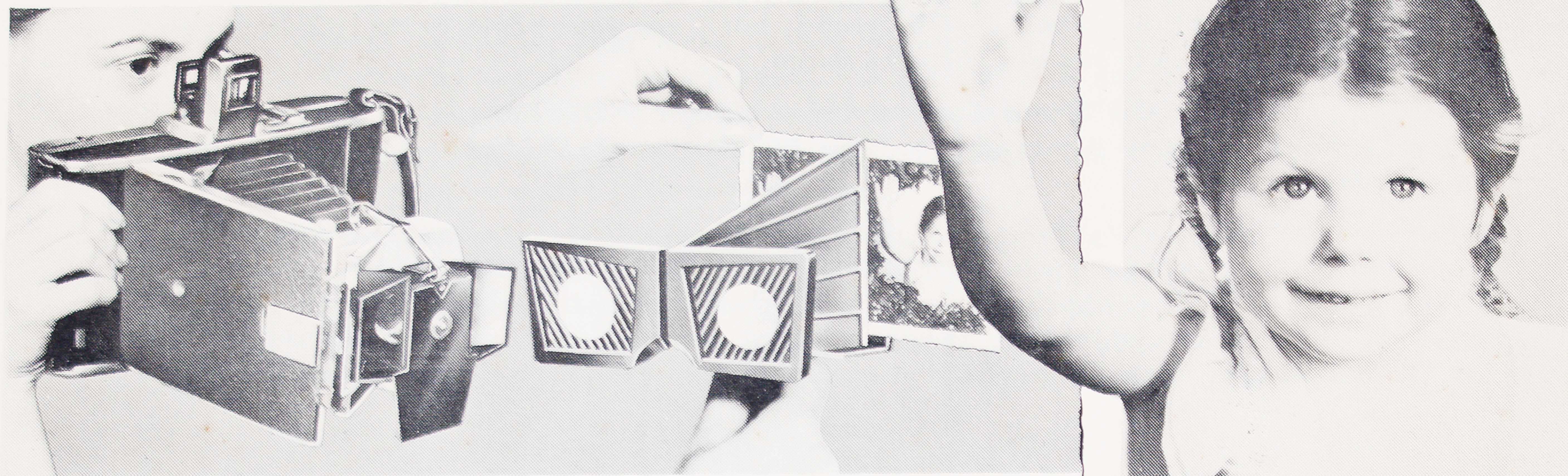


**ROBINS**

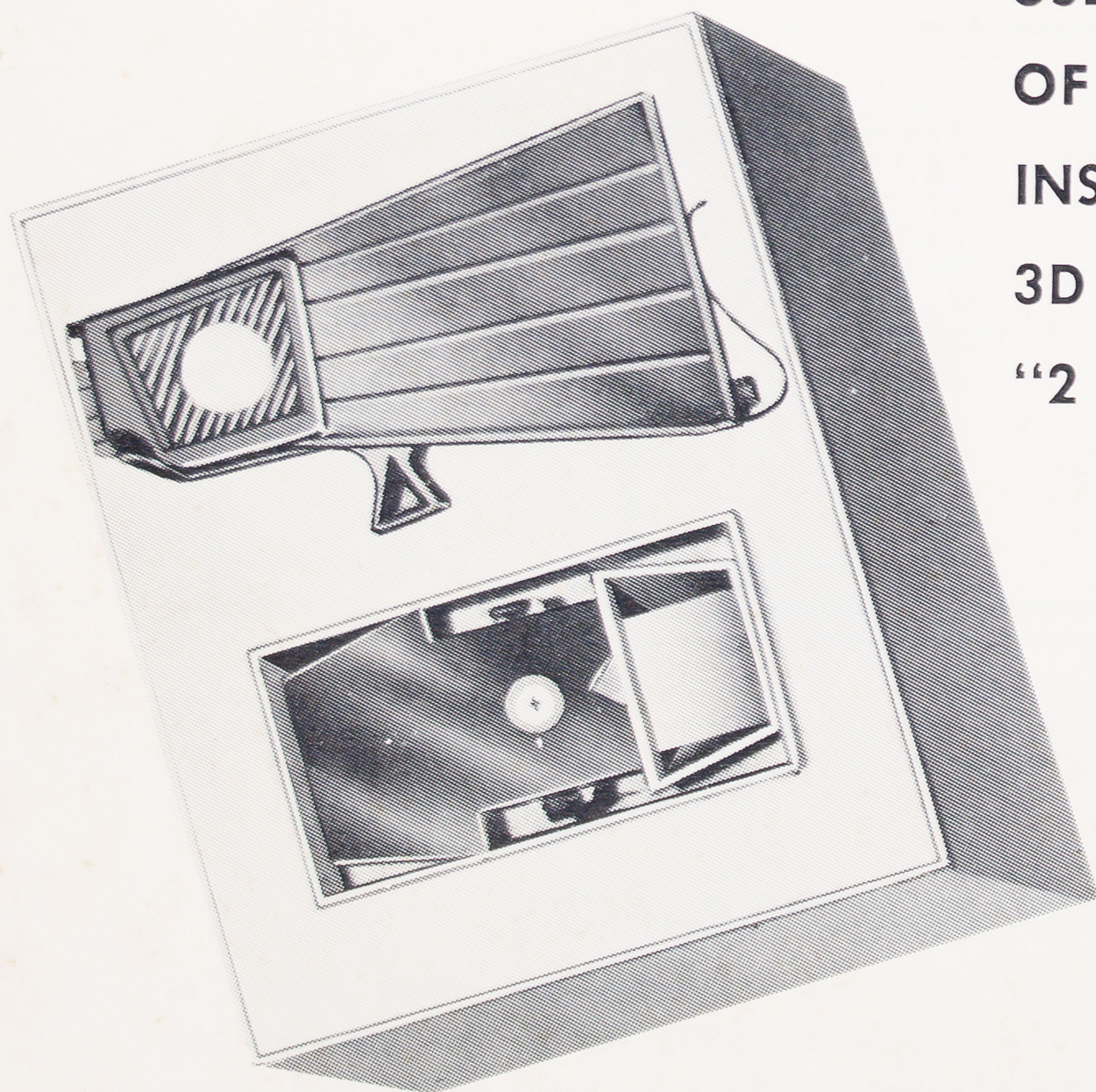
**1-2-3D**



**FOR POLAROID CAMERAS**

PATENTS PENDING

**INSTRUCTIONS FOR  
USE, CARE AND ENJOYMENT  
OF ROBINS 1-2-3D  
INSTANT STEREO ADAPTER,  
3D VIEWER AND  
"2 FOR 1" FILM SAVER DEVICE**



MADE IN U.S.A.

INCLUDED ...

HOW TO USE "2 FOR 1"

FILM SAVER DEVICE

FOR TRICK PHOTOGRAPHY

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ROBINS 1-2-3D Instant Stereo Attachment is designed to fit Polaroid Cameras Series 95, 80B, 110B, 150, 800, 850 and 900. Check the model number of your Polaroid Camera. If your camera is one of the above models, 1-2-3D will go to work for you giving you endless enjoyment of 3D Stereo, "2 for 1" film saving and trick photography. Before using your camera with Robins 1-2-3D study this instruction booklet. You will find countless valuable suggestions for true-to-life 3D photos, amazing trick photos, and film saving ideas that will start you going on new-found enjoyment. You'll want to capture your loved ones, friends, scenes and everything around you on film. So here's to 3D magic.

### INTRODUCING YOU TO 1-2-3D

With Robins 1-2-3D you are 10 seconds away from life-like 3D Stereo pictures taken with your Polaroid Camera. You'll take pictures so real you'll feel they're alive, and it's easy too. Just 3 steps: 1—sight, 2—shoot, 3—(10 seconds later) see your photo in the 1-2-3D Viewer. You'll see your pictures in realistic, life-like depth.

**BONUS . . .** Your 1-2-3D Stereo Camera Converter has a Film Saver Attachment. We call it the "2 for 1" because it makes it possible for you to take 2 photos  $\frac{1}{2}$  size (non-stereo) on each film.

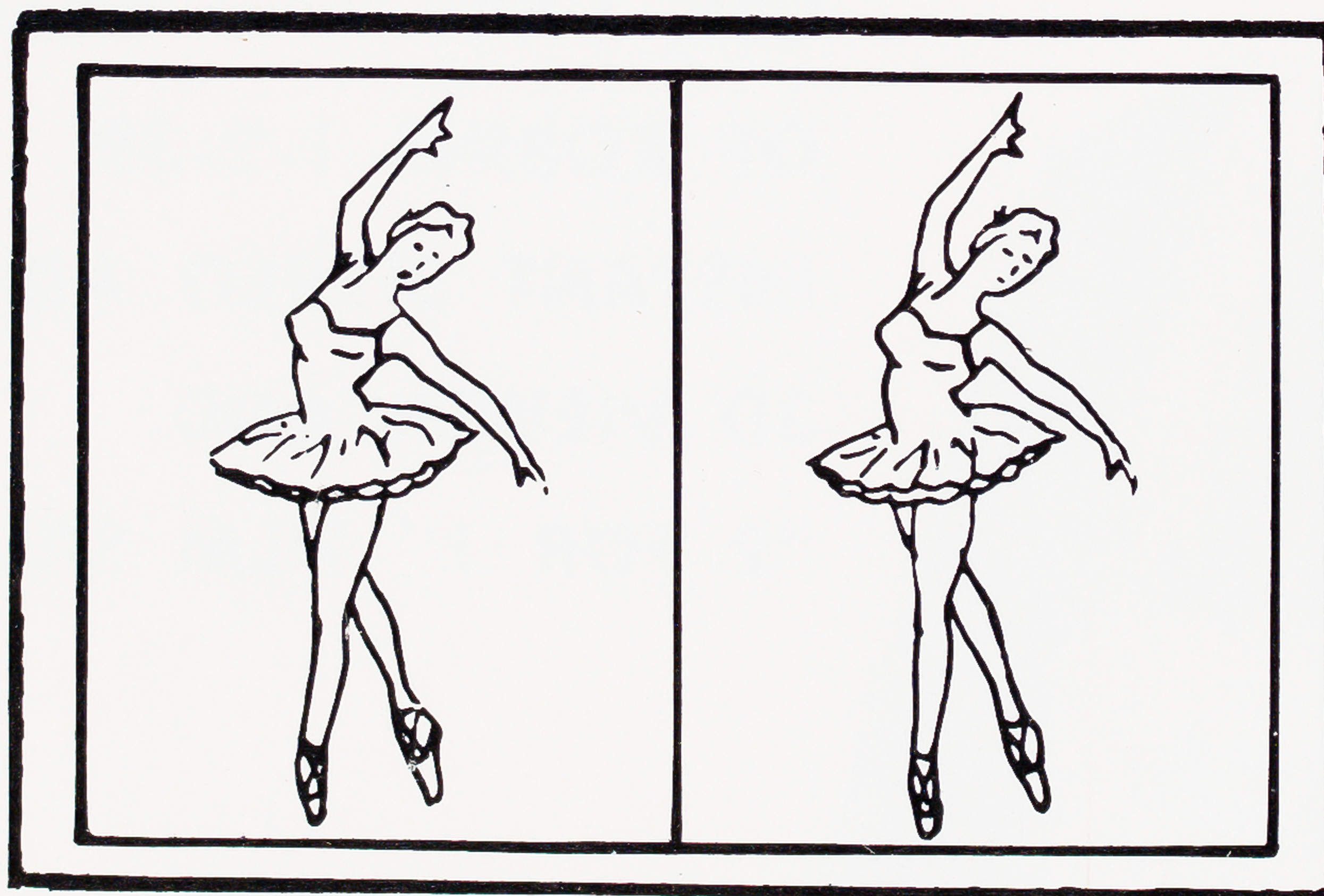
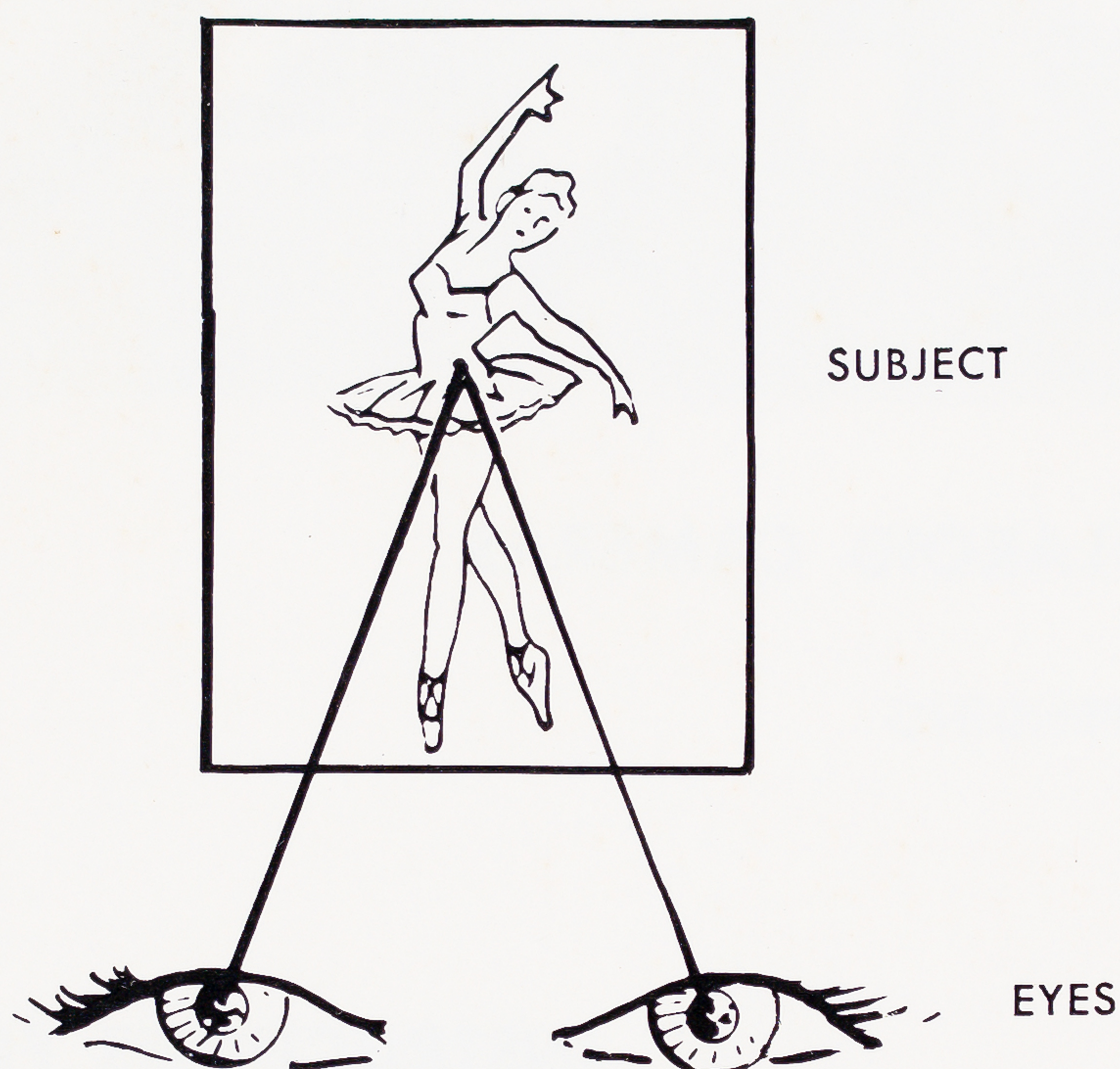


ILLUSTRATION A

EACH EYE SEES SAME SUBJECT AT SAME TIME  
BUT FROM A SLIGHTLY DIFFERENT ANGLE.

### WHAT IS A 3D STEREO PHOTOGRAPH?

A 1-2-3D photograph is comprised of two almost identical views of the same object or scene taken instantaneously on the same film. When blended together in the viewer they give a three dimensional effect, exactly the same as that of a person using two eyes. (Illustration A) Your 1-2-3D Camera converter spaces the two photographs about as far apart as the average pair of human eyes. The Viewer blends the two images into one picture that is so realistic you feel that you can walk into the scene.

The two separate viewpoints provide triangulation intelligence to the remarkable, lightning-fast computer, the brain. The brain sees distance, (depth), and solid forms. It visualizes textures and surface qualities, all functions of binocular (two-eyed) vision. In this way Robins 3D Stereo Viewer brings your photos to sparkling life.

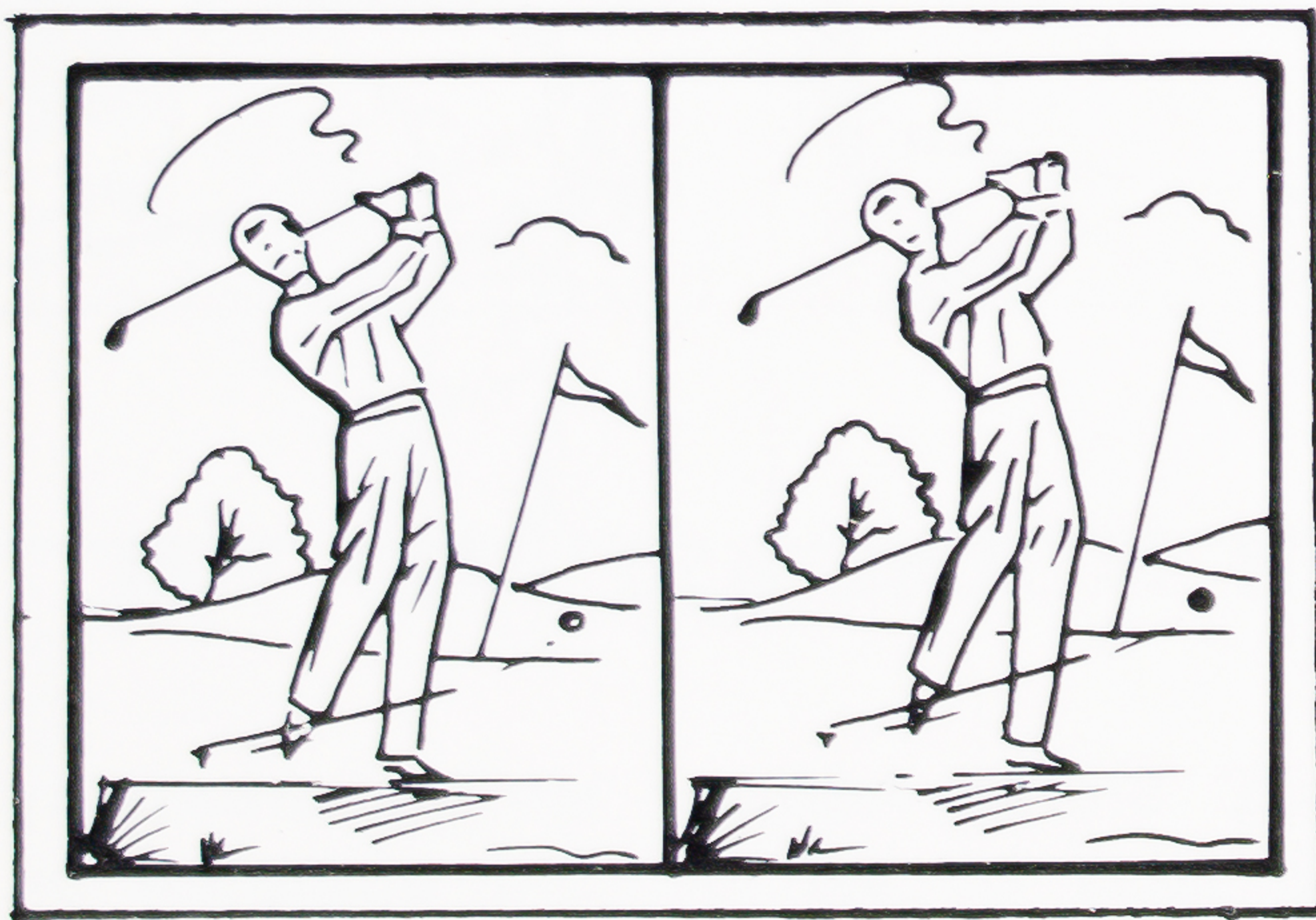
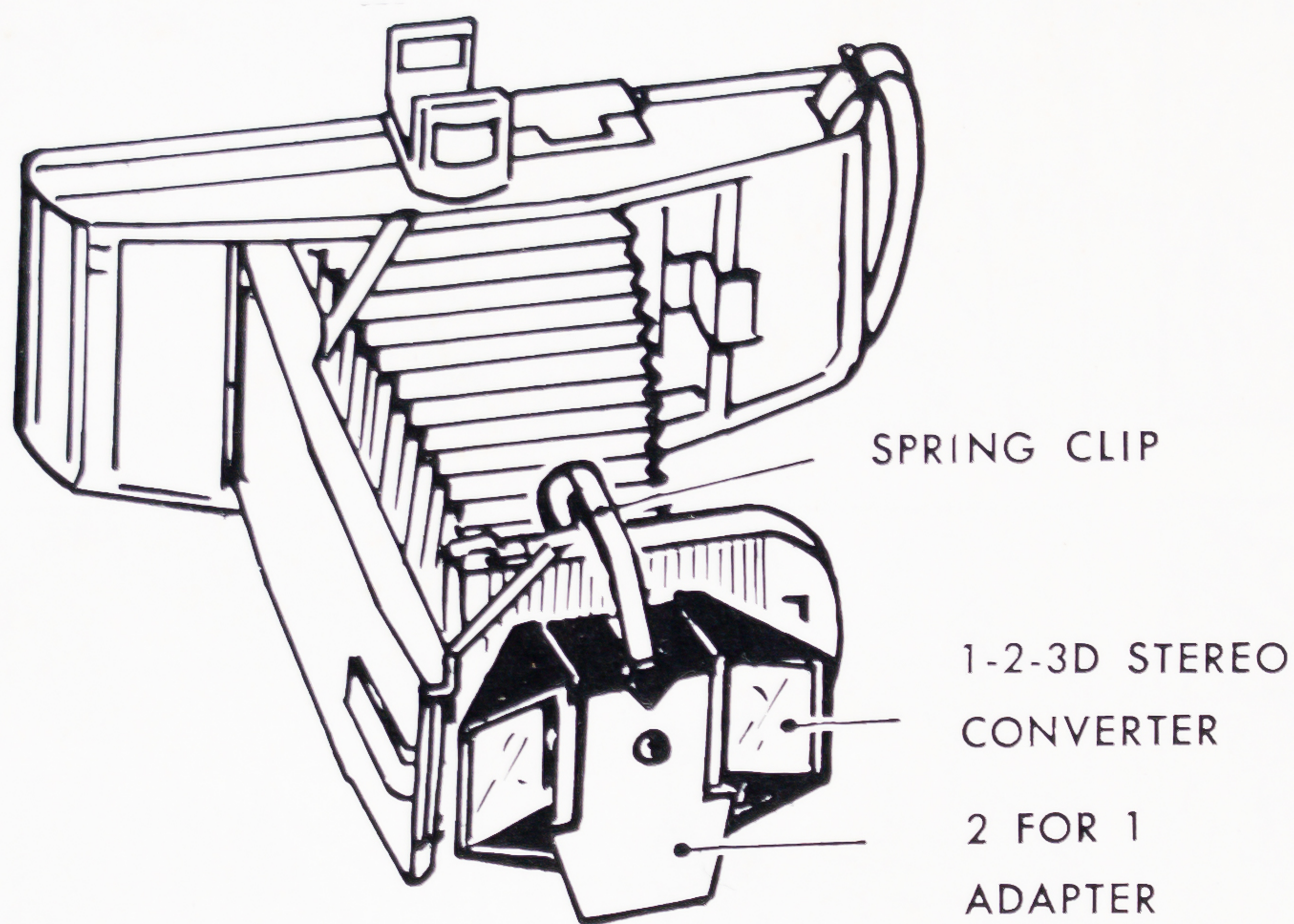
## A — INSTRUCTIONS ON HOW TO USE YOUR 1-2-3D STEREO CAMERA CONVERTER

- 1 — Place the 1-2-3D Stereo Converter squarely over the front of your camera lens and secure it with the spring clips. (Illustration 1) Always keep the Adapter aligned squarely in front of lens of camera. Check it occasionally.
- 2 — Adjust exposure to the next lower number (larger opening) before shooting. This allows for light absorption of the mirrors.

## B — HOW TO AIM YOUR CAMERA AND SIGHT FOR STEREO PHOTOGRAPHY

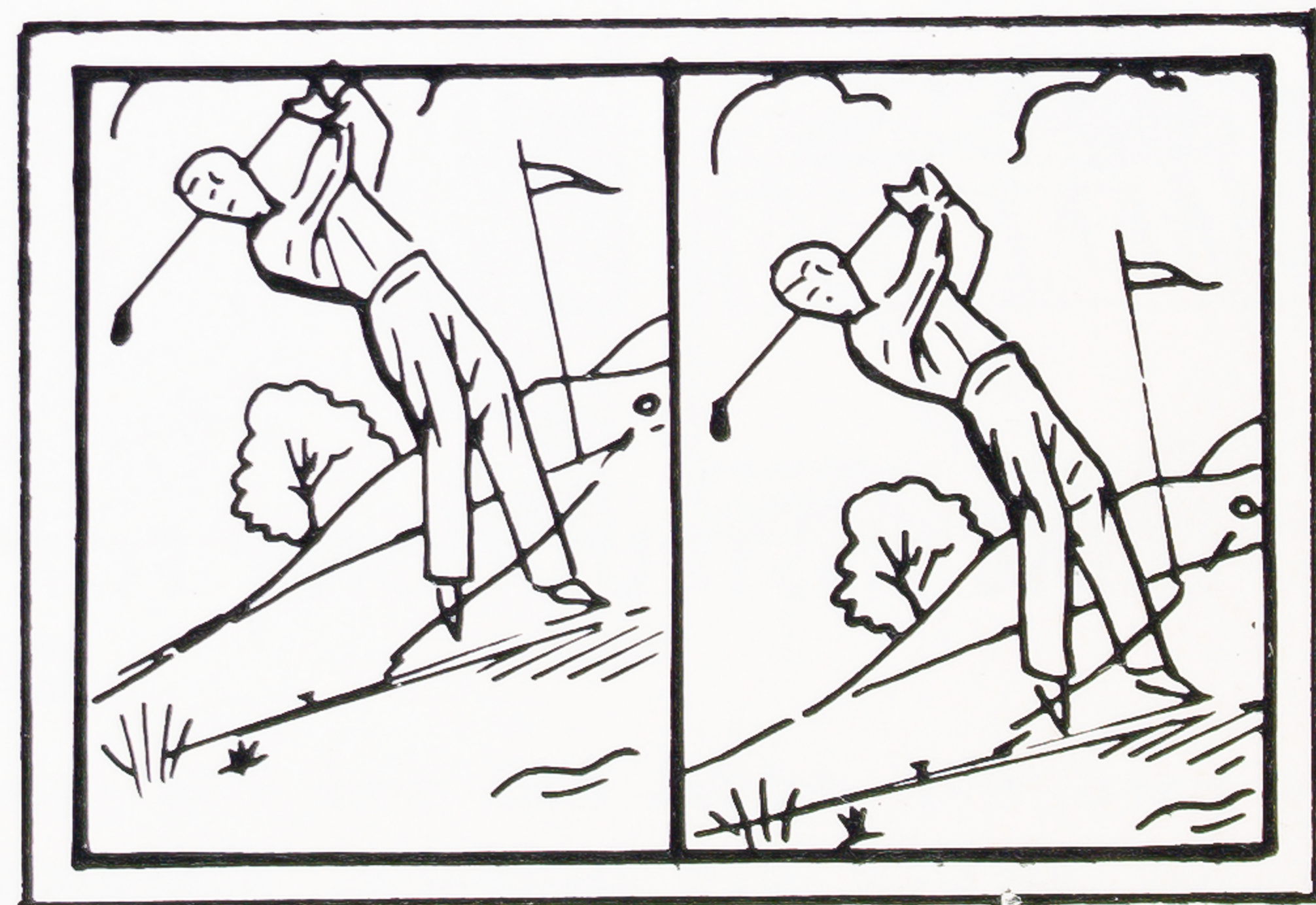
- 1 — Move "2 for 1" film saver out of the way so as to uncover both mirrors. (Illustration 1)
- 2 — Hold camera horizontal and level. Stereo pictures must have two identical looking halves. If you do not hold camera level, the pictures will not be identical. One half may show a view covering a higher area than the other. (Illustration 2)
- 3 — For best results center your picture in the viewfinder. The Adapter attachment will separate the views automatically and correctly.
- 4 — The Stereo Adapter takes pictures  $\frac{1}{2}$  the width of non-stereo pictures. You may mask your viewfinder with tape for ease of framing the correct area to sight in the viewfinder or you will soon learn to judge subjects when shooting with the 3D Adapter. (Illustration 3) If your camera has framed viewing (or parallax correction), aim with the Stereo picture or subject centered between these guide lines. (Illustration 4)

ILLUSTRATION 1



CORRECT

ILLUSTRATION 2



WRONG

VIEWFINDER

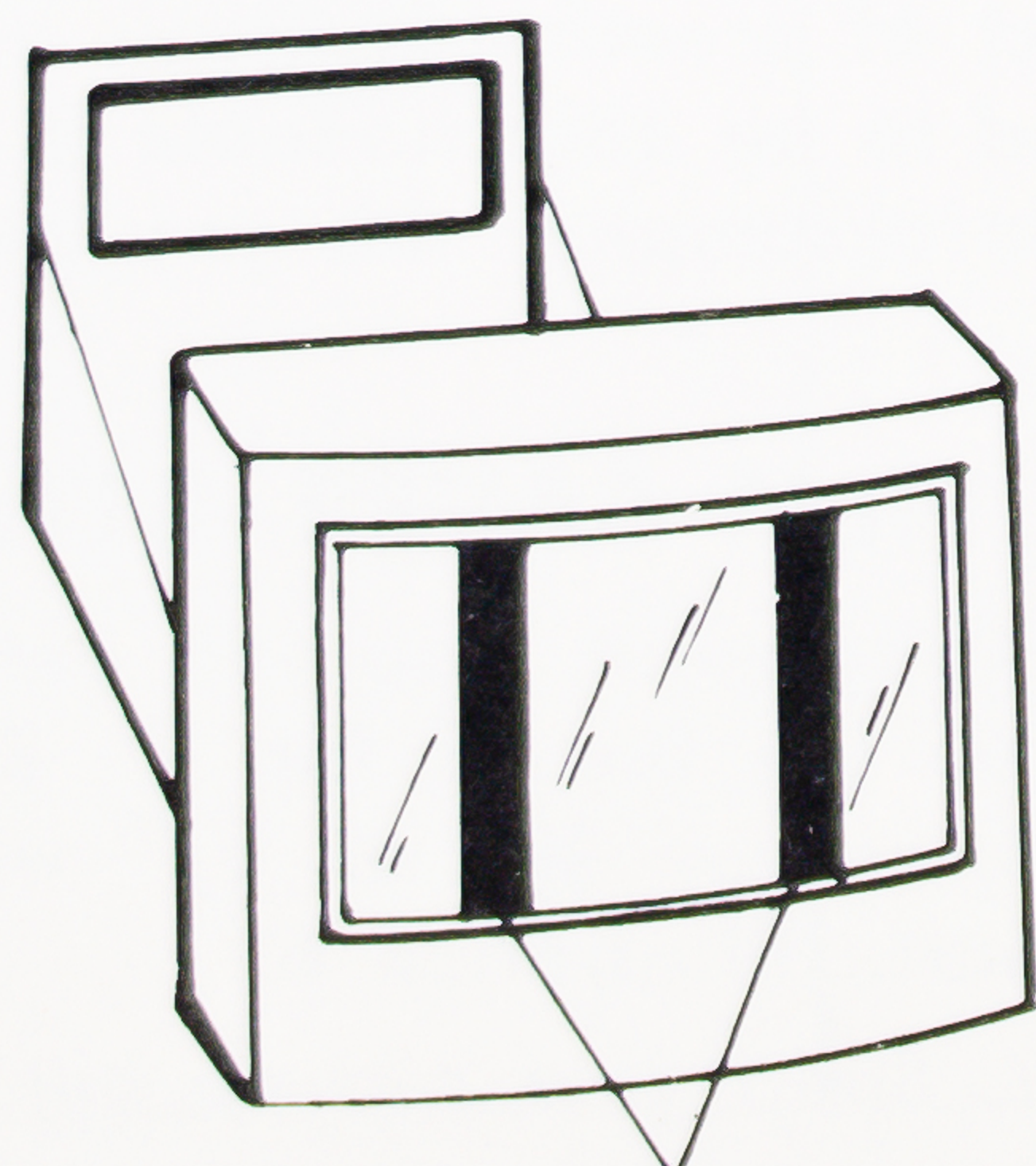


ILLUSTRATION 3

TAPE

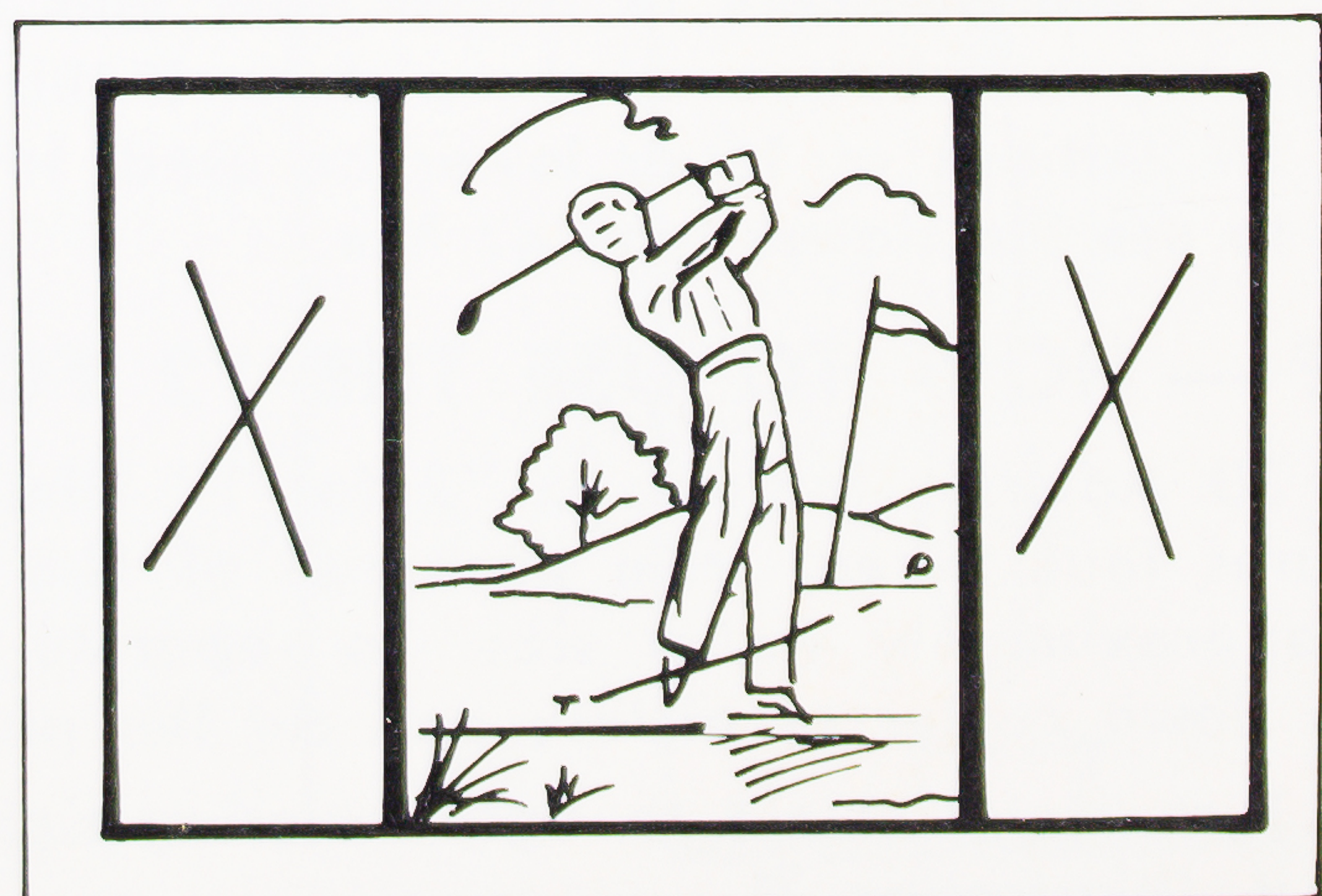


ILLUSTRATION 4

## C — CHECK ADAPTER OCCASIONALLY

The Adapter can move out of alignment. If it does a Stereo picture will result with the center line at an angle. This picture can be corrected by trimming top and bottom square with the center line. Check before snapping. Checking is easier than trimming.

## D — TO GET THE MOST ENJOYMENT FROM YOUR 3D STEREO ADAPTER

- 1 — Choose your subject carefully. When shooting several objects or groups or people, stagger your subjects to obtain the effect of distance with some in the foreground and others in the background.
- 2 — Look for action. A person throwing a ball, running, reaching for an object, etc. makes interesting life-like 3D subjects.
- 3 — Choose scenes with foreground and background interest. This adds perspective and realism. Below are some examples of interesting compositions for 3D results. Study these ideas and adapt them to your own taste. Don't be afraid to experiment. (Illustration 5)

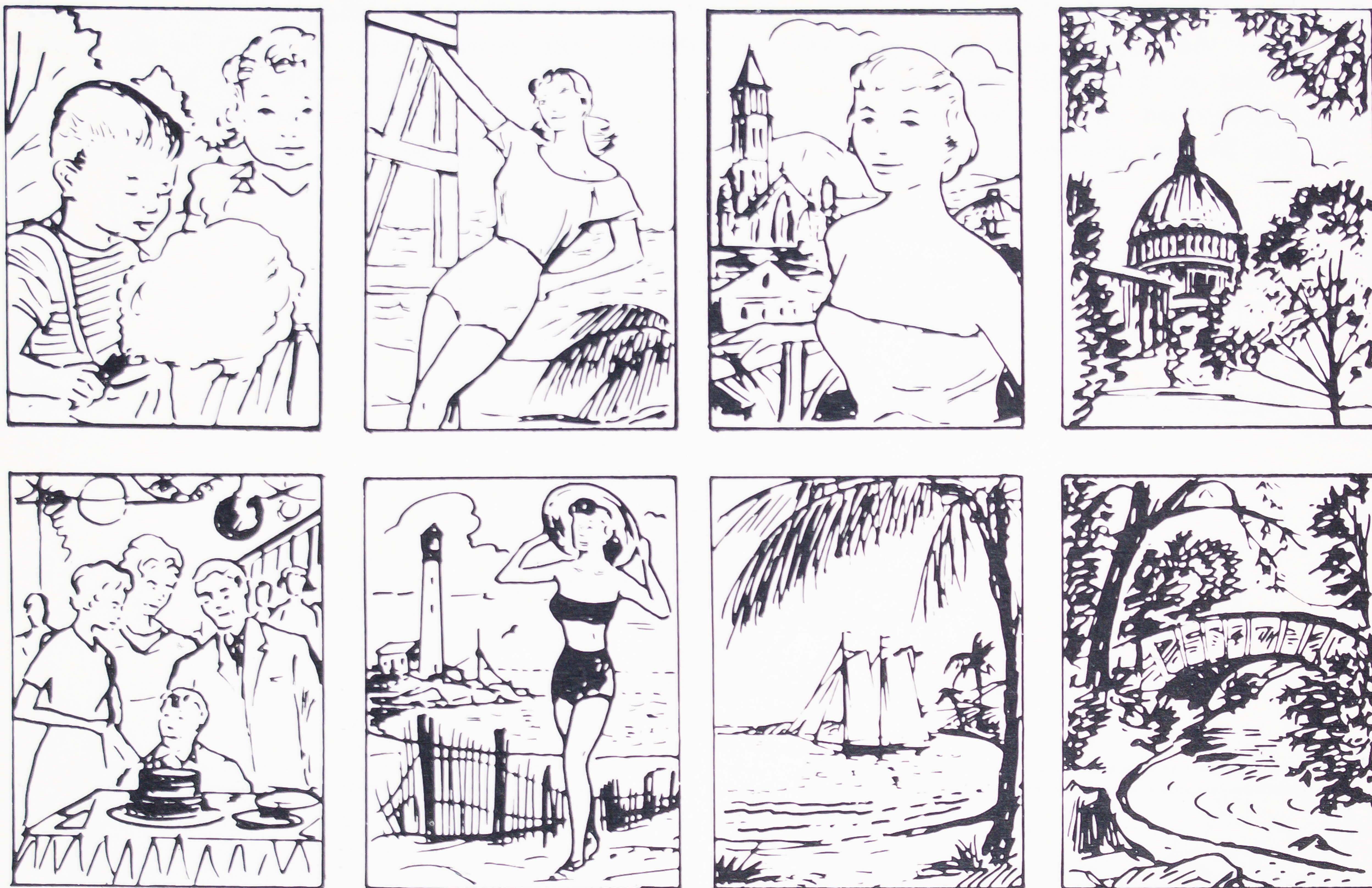


ILLUSTRATION 5

## SPECIAL INSTRUCTIONS FOR USE WITH MODEL 850 AND 900 CAMERAS

When used with model 850 and 900 cameras the 1-2-3D Stereo Adapter must of necessity cover the electric eye aperture. Therefore the camera must be set on and operated on manual control.

It has been found that the very small aperture required when using the ultra-high speed type 47 film outdoors in bright light had the effect of creating a small amount of cut-off at the top and bottom of the picture. If this is found to be objectionable it is recommended that EV settings of 15 or lower be used. In order to accomplish this you may find it necessary to use the slower type 42 film.

## E — HOW TO USE THE "2 FOR 1" FILM SAVER ATTACHMENT

The 3D Adapter features a "2 for 1" Film Saver Attachment. You will get twice as many pictures (non-stereo) from each roll of film when you use the "2 for 1". Each picture will be approximately wallet size. To separate the pictures use  $\frac{3}{8}$ " or  $\frac{1}{2}$ " white tape. Place tape down center of picture and cut the pictures apart. (Illustration 6)

- 1 — Turn metal shield to right covering right mirror. Snap your picture but do not develop it. (Illustration 7)
- 2 — Turn metal shield to left covering left mirror. Snap your picture. Develop your picture. You now have two different photos on one frame.

PICTURE #1

PICTURE #2



3/8" OR 1/2" TAPE

ILLUSTRATION 6

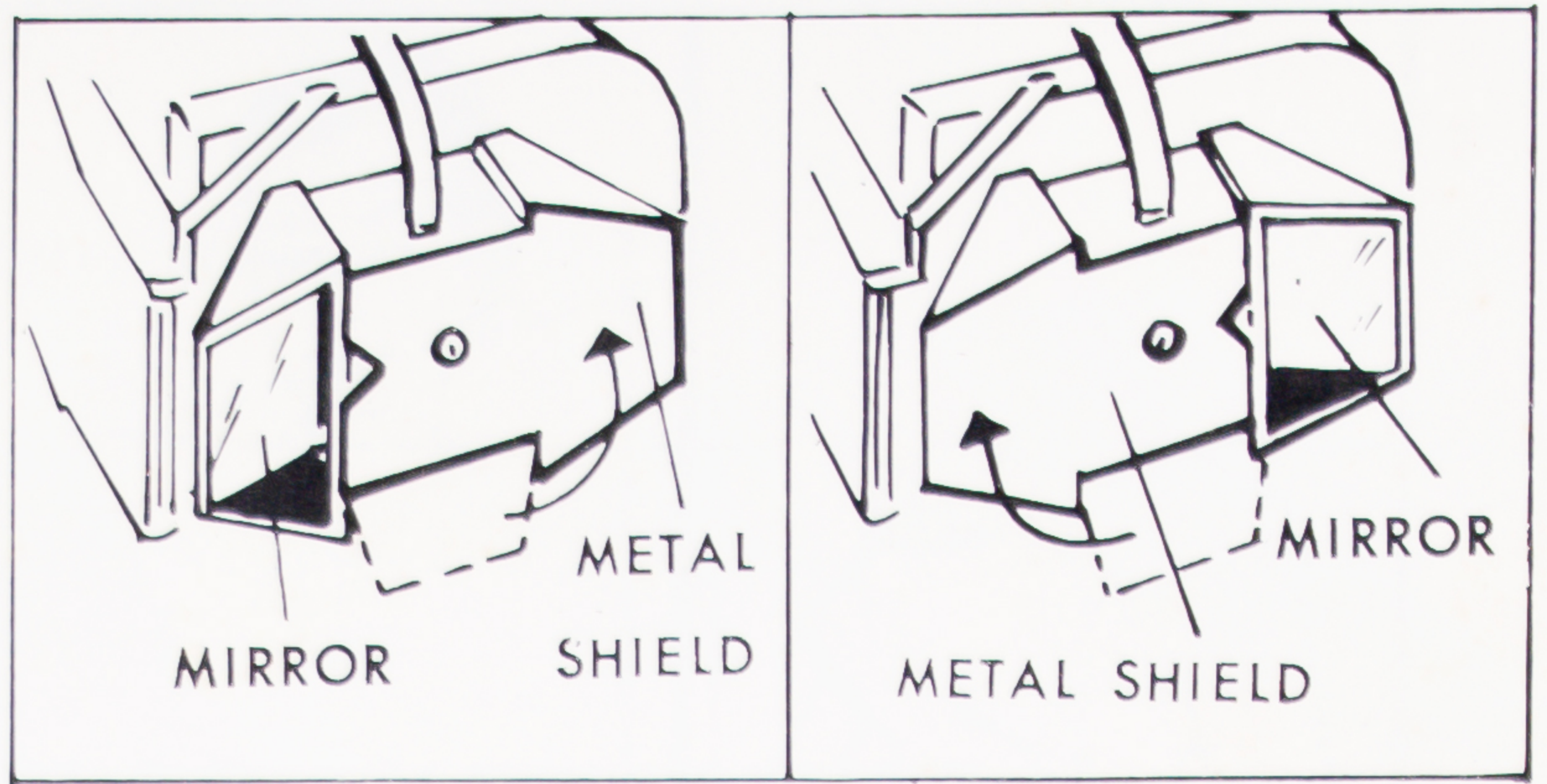


ILLUSTRATION 7

## F — TRICK PHOTOGRAPHY FUN USING YOUR "2 FOR 1" ATTACHMENT

You can do trick photography using the "2 for 1" attachment. You can obtain interesting and eye catching effects such as super imposing a person's head on a dog, a boy's face on a girl's body, one person appearing to be upside down on his head while another person is standing in a normal manner, a person riding on a dog, a ghost like image superimposed on a scene, etc. Below are some examples of trick photos you can take with the "2 for 1" attachment. Study these ideas, then experiment.

For trick effects take two separate pictures with the "2 for 1" attachment, see paragraph E (Illustration 7) and view them as you would a stereo picture.

In superimposing pictures bear in mind that the eye will see the darker parts of the two pictures which are superimposed. So use a light or white (or sky) background for parts of pictures you do not want to see. (Illustrations 8 and 9)

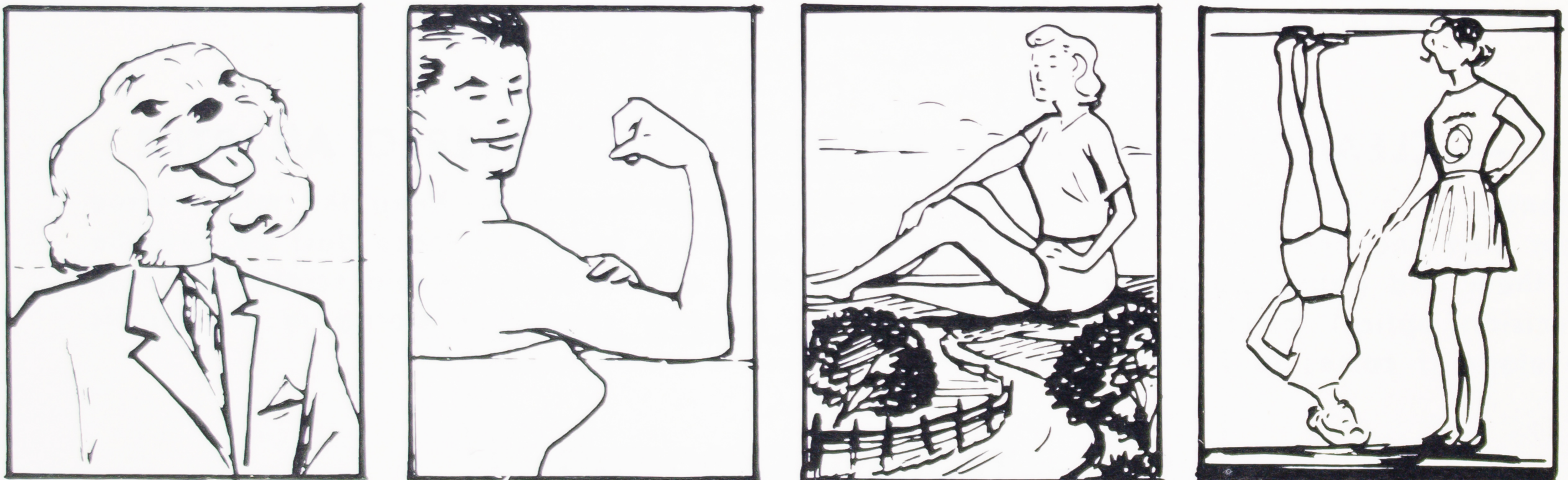
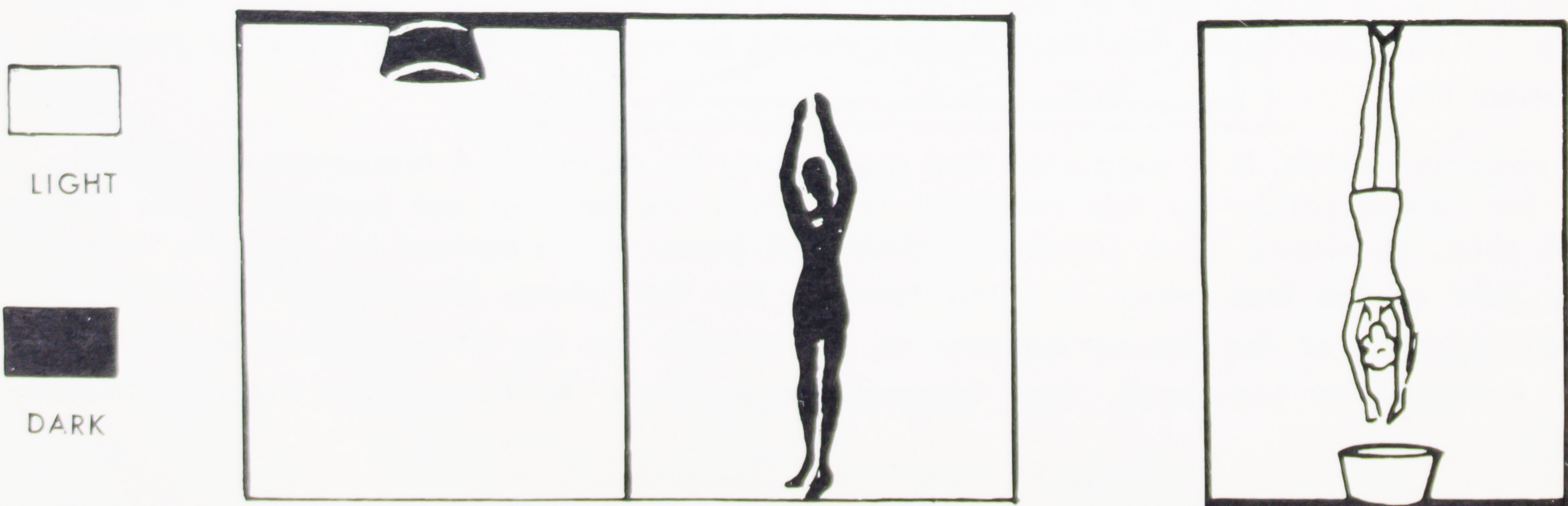


ILLUSTRATION 8

With camera turned over, shoot picture of bucket of water.

ILLUSTRATION 9



Person standing with arms raised as if diving.

As seen in viewer. Person diving into bucket of water.

## TRICK PHOTOGRAPHY



Place girl in front of light or white background. Drape a white sheet in front of face of girl. Shoot picture.



Place boy in front of light or white background. Drape a white sheet covering boy's body. Shoot picture.

ILLUSTRATION 9



As seen in viewer. Boy's head on girl's body.

### G — VIEWING PICTURES IN 1-2-3D

The focal length of the 1-2-3D Viewer is designed for the person with average corrected or uncorrected vision and converging ability. If in viewing 1-2-3D pictures for the first time, depth is not immediately apparent. Don't worry, concentrate on the pictures for a time, rest your eyes occasionally by looking at a distant object. Slowly move the viewer forward and back from eyes until it comes into focus. (Illustration 10)



ILLUSTRATION 10

In some instances for some people, best results may be obtained by viewing with the lenses a short distance in front of the eyes rather than up close.

### H — CLEANING THE MIRRORS OF YOUR 3D STEREO ADAPTER

"Gentle" is the word. They should be treated as gently as lenses. Keep the mirrors free from dust and fingerprints. If cleaning becomes necessary, blow any loose dust off, breathe on them and gently polish with a soft lint-free cloth or lens tissue. Avoid scratching these precision optical mirrors. When not in use, the Adapter should be stored in the plastic envelope it comes in.

### I — TROUBLE SHOOTING

It has been found in testing numerous cameras in particular older models that because of wear or damage the lens board of the camera on which the lens and shutter are mounted has become loose and leans back. The result is that the camera front is not vertically parallel with the film. This has the effect of throwing the center of the image off to either the right or the left, resulting in one picture being wider than the other, this may be not too noticeable in normal use of the camera, but may be annoying when used for Stereo or with the Film Saving Device. Both images should be equal in size and centered properly. (Illustration 12)

If this condition exists, it is suggested that the camera be repaired. A temporary or alternate means for compensation for this condition is to shim the adapter out parallel to the film. Tape a shim, consisting of a suitable thickness of paper or cardboard on the lens board on the side of the lens which is tilted towards the film plane. (Illustration 11) This will shift the position of the Stereo Adapter to compensate for the above condition. If correction is too little or too much, then increase or decrease the thickness of the shim accordingly.

This adjustment may be made and checked without wasting film by opening camera as when inserting film and placing ground glass or waxed paper across the opening. With shutter open (in time exposure) view image on waxed paper screen.

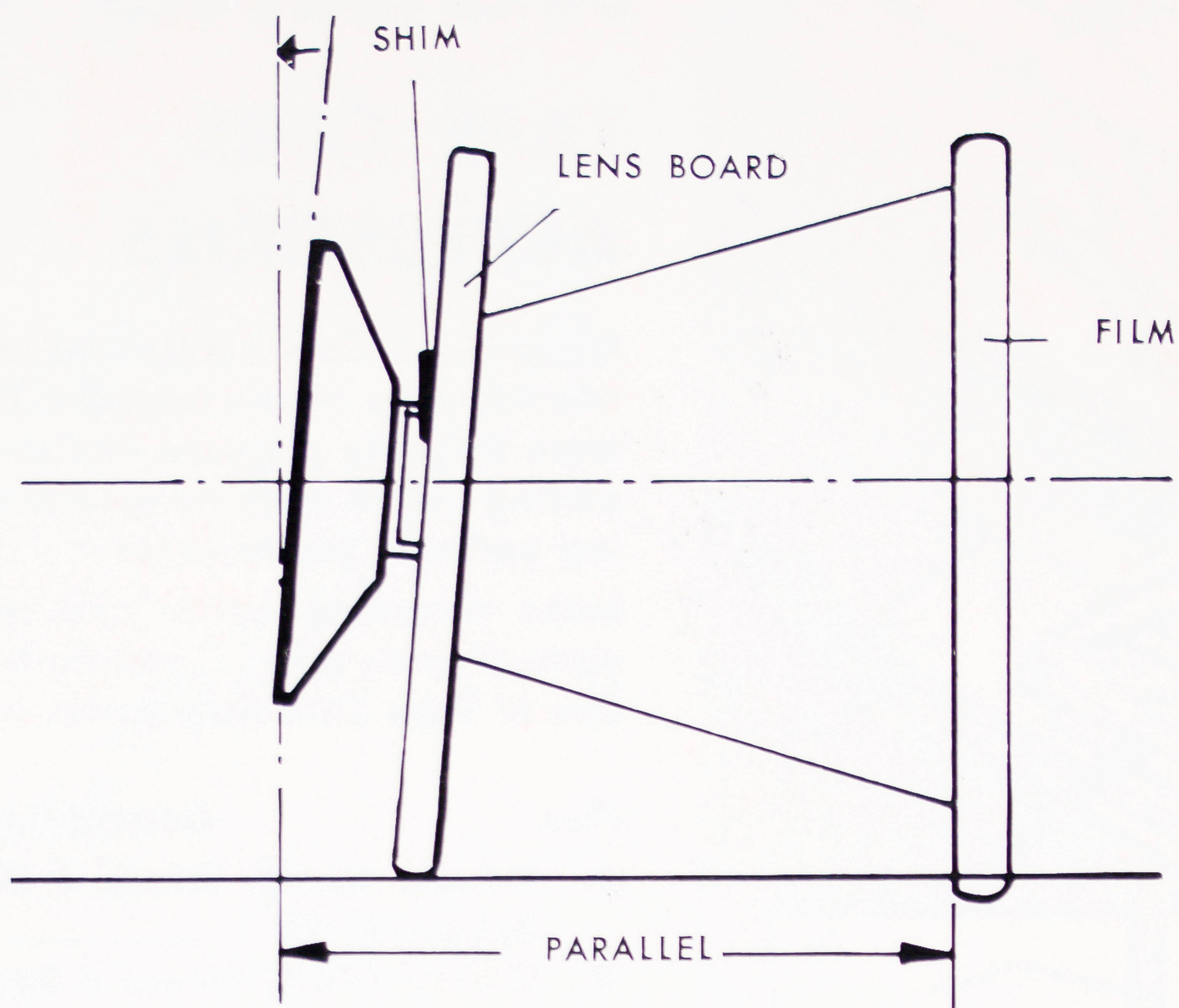
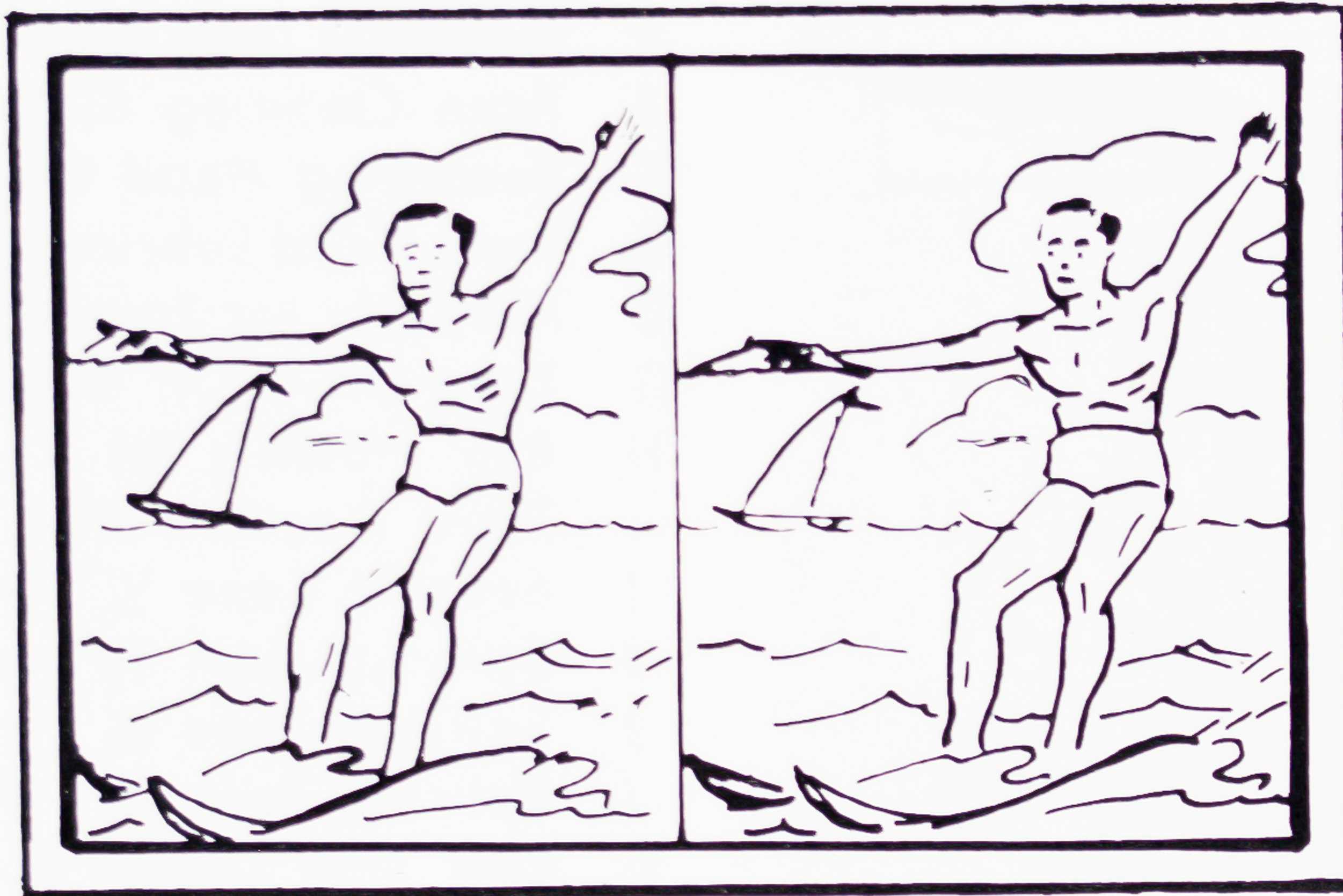
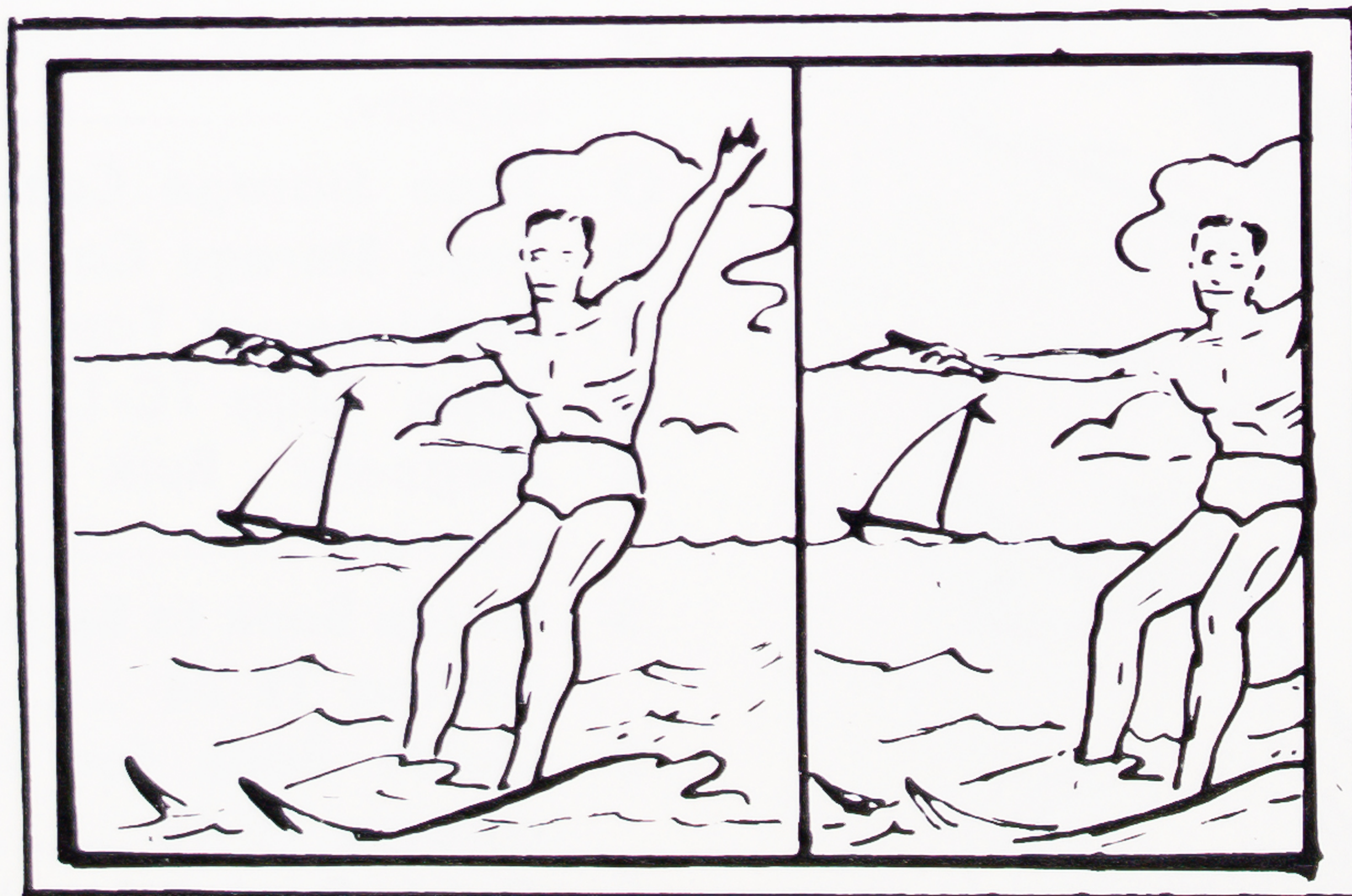


ILLUSTRATION 11  
(EXAGGERATED)



CORRECT



WRONG

ILLUSTRATION 12

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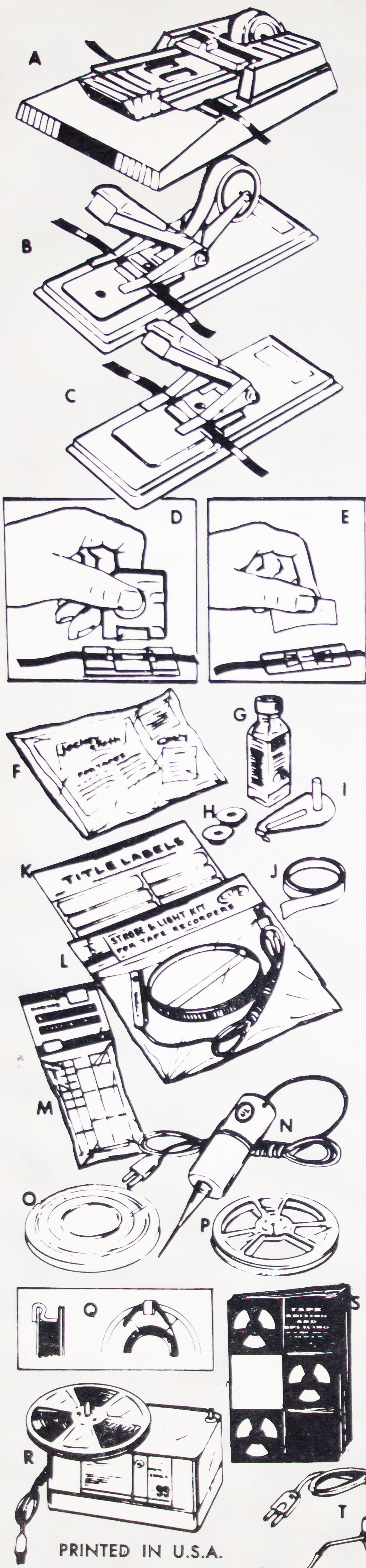
# ROBINS

## TAPE CARE ACCESSORIES



Robins Tape Care Accessories are needed by everyone who uses a tape recorder. They help you obtain more listening pleasure and professional results in editing Stereo or Mono recordings and in maintaining optimum performance.

Make recording easier and more enjoyable. For yourself or as gifts . . . choose from Robins complete line of Tape Care Accessories at your Dealer today.



Illus.	Description	List
A	Gibson Girl® Stereo 4 Deluxe Tape Splicer TS-8D .....	\$11.50
B	Gibson Girl® Stereo 4 Standard Tape Splicer TS-4S .....	8.50
C	Gibson Girl® Stereo 4 Junior Tape Splicer TS-4J .....	6.50
D	Semi-Pro Tape Splicer SP-4 .....	3.50
E	Hobbyist Tape Splicer H-4 .....	1.75
F	Tape Cleaning Cloth JCT-2 .....	1.00
G	Recording Head Cleaner HC-2 .....	1.00
G	Tape Head Lubricant RC-2-22 .....	1.00
G	Non-Slip for Tape Drives RC-2-56 .....	1.00
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H	Reel Holders RH-2 .....	.85
I	Tape Threader TT-1 .....	1.00
J	Splicing Tape 1/4" wide ST-234 .....	.40
J	Splicing Tape 3/8" wide ST-375 .....	.45
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K	Reel Title Labels SL-30 .....	.45
L	Strobe Tape and Light Kit for Tape Recorders ESK-5 .....	1.50
M	Replacement Pressure Pads PP-1 .....	1.00
N	Tape Head Demagnetizer HD-6 U.L. approv. ....	10.00
O	Tape Storage Cans TC-7 for 7" tapes .....	.75
O	Tape Storage Cans TC-5 for 5" tapes ..	.55
P	Replacement Tape Reels TR-70 .....	.75
Q	Tape Clips TC-12 (1 doz.) .....	.45
R	Magnetic Bulk Eraser ME-99 U.L. approv. ....	33.00
S	Guide Book to Better Tape Splicing and Editing TE-24 .....	.35
S	Guide Book for Television Tape Recording TE-48 .....	1.00
S	Guide Book "How to Get the Most Out of Tape Recording" TE-128 .....	1.00
T	Tape Head Demagnetizer HD-3 .....	5.95
U	Magnetic Bulk Eraser ME-77 .....	22.00
V	VU Meter for level control and overloading VU-100 .....	22.00

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