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PAT. U. S. 2361661

CAMERA
Instructions

FOREWORD

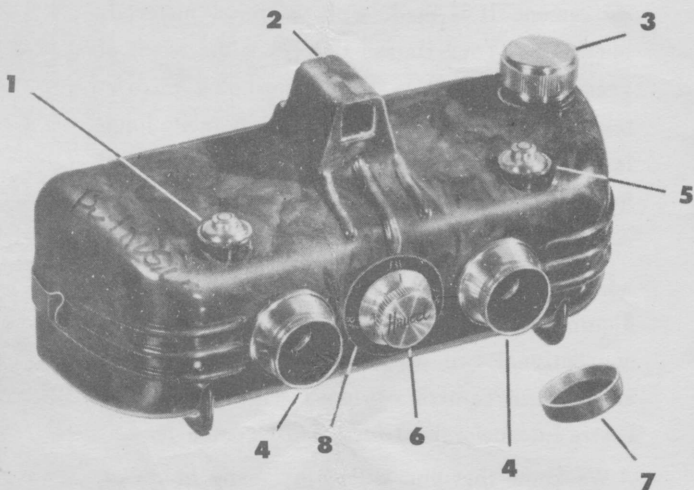
NOW that you are the owner of a precisioned Haneel Tri-Vision Camera, we want you to notice the fine workmanship of this truly remarkable instrument. It is made with the finest materials obtainable. Your Haneel Camera is the result of years of research in third dimension picture-taking and of Haneel craftsmanship in its long-lasting sturdiness and in its expression of beauty in design.

Too, your Haneel Tri-Vision Camera gives you added value. It not only takes superb tri-vision pictures in color and black and white, but also conventional two dimension snapshots. It's an all purpose camera equipped with the famous Lestra-Lite color corrected, hard coated lens.

We know that you will enjoy many hours of picture-taking thrills with this precision-built instrument, so to help you operate the Haneel Tri-Vision Camera for your ultimate maximum enjoyment, we have prepared this illustrated booklet.

THE Haneel

TRI-VISION CAMERA



1 Operating Button
(Shutter Release Button)

2 View Finder

3 Film Winder

4 Lestra-Lite Lens

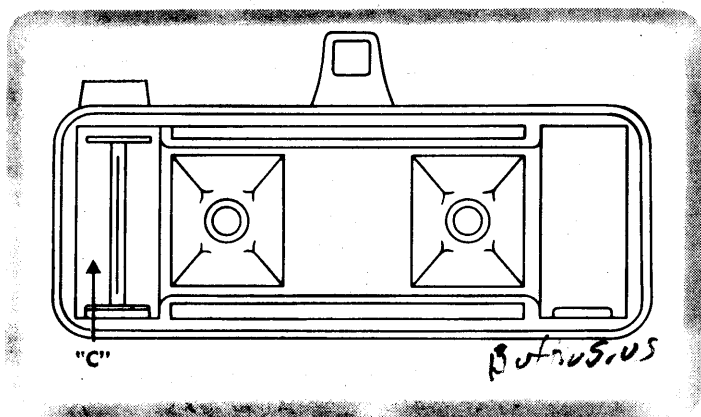
5 Bulb Exposure Button

6 Aperture Adjustment

7 Lens Cap

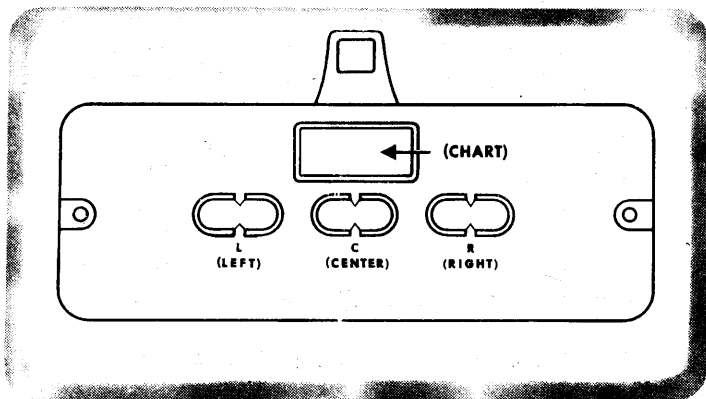
8 Aperture adjustment
guide

LOADING THE CAMERA



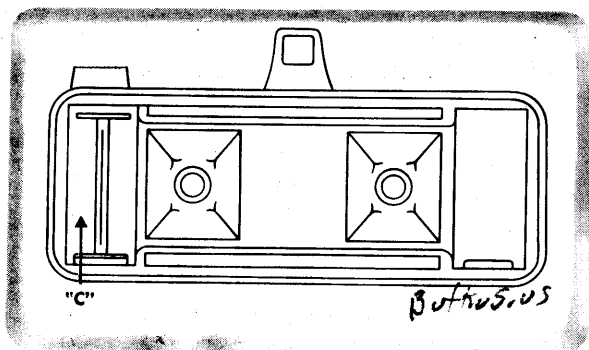
- 1** Unsnap back cover.
- 2** Be sure empty spool is in chamber C—affixed to winding knob.
- 3** Insert new roll of film.
- 4** Pull end of film across back of camera (green paper side out) and insert tapered end in slot in empty spool. By keeping index finger of left hand working against film during this operation it will tend to hold firmer.
- 5** Turn winding knob about three (3) turns to secure film and to prevent it from slipping after cover is closed.
- 6** Snap cover firmly to exclude light.

WINDING THE FILM



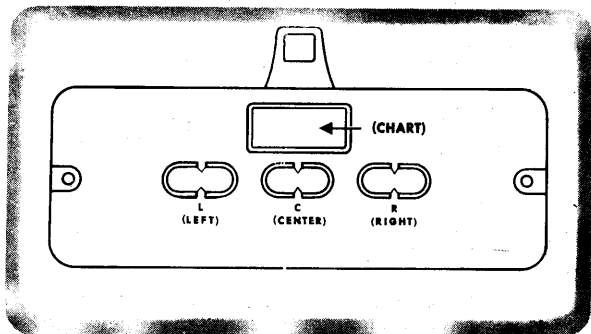
THE Tri-Vision Camera takes six sets of “twin” Tri-Vision pictures on a roll of film ordinarily designed for eight single pictures. To avoid double exposures it is necessary to carefully follow the directions indicated on the chart printed on the back of the camera. For example, your first exposure is to be taken when #1 film appears through the LEFT of the three windows in back of camera, indicated by L. Picture #2 is to be taken when #3 on film appears on the RIGHT window, indicated by R, and so on, as per chart. C indicates CENTER window. Example: 1 1 1. After each exposure, immediately turn winding knob and set film for next exposure, as per chart, otherwise you may forget and have a disappointing double exposure. The schedule for all six follows:

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SCHEDULE

When Film		Take Tri-Vision Picture	Or Conventional Snapshots No.
No. 1	is in window "L"	No. 1	1 and 2
No. 3	is in window "R"	No. 2	3 and 4
No. 5	is in window "R"	No. 3	5 and 6
No. 5	is in window "C"	No. 4	7 and 8
No. 7	is in window "C"	No. 5	9 and 10
No. 7	is in window "L"	No. 6	11 and 12

NOTE: Refer to this schedule on back of your camera each time you wind film. Remember "L", "C" and "R" mean Left, Center and Right window respectively.

TAKING SINGLE PICTURES

WITH THE Haneel

TRI-VISION CAMERA

TO take single pictures, place lens cap over the left hand lens, snap the picture, place lens cap on right hand lens, snap another picture, then turn film to next position as shown in schedule.

UNLOADING

AFTER all six sets of tri-vision exposures have been taken, turn winding knob until you are sure all of the film is taken up on the spool. (Camera should be loaded and unloaded in subdued light.) Remove spool. To prevent the film from unwinding, seal with gummed tape or hold with rubber band. If using Eastman Kodachrome film it is a good idea to immediately put exposed film back in metal container in which film comes when originally purchased.

FILM SPECIFICATIONS

Eastman 828 Kodachrome (for daylight)

Eastman 828-A Kodachrome (for inside shots with artificial lights)

Eastman 828 Direct Positive (black and white)

This film takes positive transparencies which are themselves processed and viewed in the lighted Tri-Vision Viewer. That is, it is not necessary to first make a negative.

Eastman 828 Bantam Regular—Black and White Panatomic preferred.

Bottles.

DEVELOPING THE FILM

Kodachrome 828 (Daylight or Artificial Light) must be mailed to the nearest processing location of the Eastman Kodak Company, as per instructions received with film. It is developed free of charge. Airmailing with airmail return stamp or coin will speed the service.

Eastman Direct Positive—For amateur developing consult a reputable photographic supply shop. Otherwise this can be developed by most shops.

Black and White—This film can be developed by any photographic concern or properly equipped amateur. Print on transparent negative stock instead of paper, thus reversing the negative to positive. Remember negative stock is much faster than paper.

HOW TO TAKE GOOD TRI-VISION PICTURES

1. Camera must be level, do not tip on an angle.
The use of a tripod is highly recommended, not only to insure a perfect level, but to safeguard against movement of camera when pictures are taken. Otherwise place camera on table, fence, step, rail, etc., when convenient.
2. Principal subject should be near center foreground—5 to 9 feet from camera.
 - a. Secondary objects 9 to 12 feet.
 - b. Background from 12 feet to infinity.
3. Be careful there is no movement of camera when snapping the shutter. Press shutter button with steady, even pressure or you will have a blurred picture.

LIGHT CONDITIONS

TO insure clear, sharp, fully exposed pictures, be sure that your subject is well lighted. Pictures taken with subject in the shade yield thin, unsatisfactory results. Shadows on faces hide features and personalities. You can take your pictures with your back to the sun. Too, because Haneel Tri-Vision Camera is equipped with Lestra-Lite color corrected, coated lens you can also take tri-vision pictures while *facing sunlight*.

Best hours for using Kodachrome outdoors are between 3 hours after sunrise and 3 hours before sunset; that is, *not* when the sun is overhead or high in the sky.

Bookends

APERTURE ADJUSTMENTS

(Important)

THERE are three adjustments of the aperture; small, medium and large. Adjustment will click when desired aperture opening is reached.

Daylight: For dull sunlight use large opening, turning knob all the way to the right. For medium light use medium opening, turning knob to center. For excessively bright light such as snow or water scenes, and when the sunlight is glary to the eye, use small opening, turning knob all the way to the left.

BULB EXPOSURES

TO take bulb exposures press down the button on the left and hold; then press down the button on the right and hold for the desired time necessary for exposure. Then release the button on the right. That ends the exposure; then you can remove your finger from the left button. *CAMERA SHOULD ALWAYS BE SUPPORTED FIRMLY DURING BULB EXPOSURES.*

INTERIORS

WITH Kodachrome or black and white film, satisfactory results will be obtained by using one 11A or 21 Photoflash bulb. Flash as soon after shutter is opened as possible to avoid lights "writing" on film. Room lights may be left on, however, but camera should not face directly into same.

1. Set camera for bulb exposure.
2. Open shutter.
3. Flash bulb.
4. Close shutter.

When using photo flood lamps it is suggested that the photographer practice on black and white film until perfection is obtained.

SHUTTER ADJUSTMENT

Shutter speed of the Tri-Vision Camera is 1/80 of a second.

APERTURE VALUES

F values of LARGE OPENING: F:8
MEDIUM OPENING: F:11
SMALL OPENING: F:16

Note:

ADDITIONAL prints of transparencies in any quantity at economical cost can be obtained for business firms who purchase additional Viewers for the purpose of visually demonstrating their merchandise through their sales organizations, etc. Address all orders to your local dealer, or, The Haneel Company, 2100 Hyde Park Boulevard, Los Angeles 44, California.

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FIRST CLASS PERMIT NO. 247, SEC. 510 P.L. AND R., ALHAMBRA, CAL.

TRI-VISION SALES CO.
1109 S. Fremont Ave.
Alhambra, California



To insure the validity of your guarantee and also for your protection in the event of loss or theft of this equipment fill out your name, address and the number of your camera and mail at once.



Name

Street Address

City State