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MAMIYA CAMERA CO., LTD.

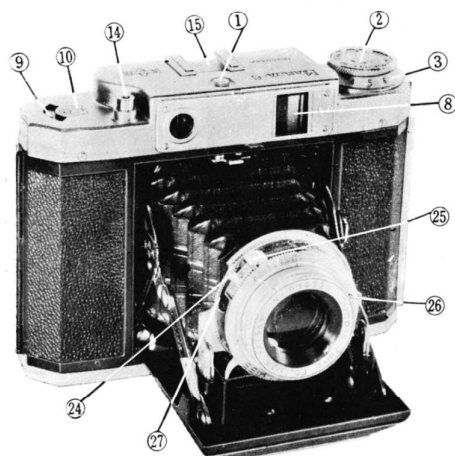
HONGO 1-CHOME, BUNKYO-KU, TOKYO



INSTRUCTIONS FOR USE OF THE

MAMIYA-6

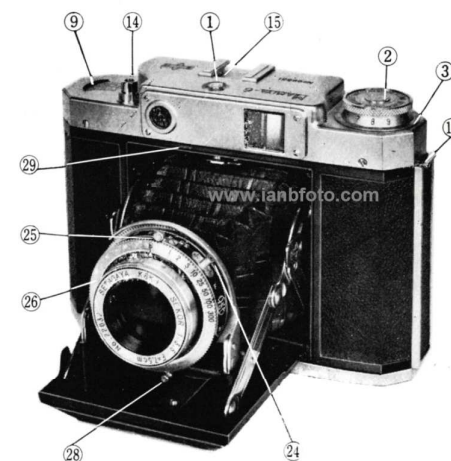
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(Fig. 1)

1. Button opening camera front
2. Film winding knob
3. Dial of picture counter
4. Arrow for picture counter
5. Brake lever
6. Focusing wheel operating distance meter
7. Eyepiece for combined finder and distance meter
8. Window of combined finder and distance meter
9. Scale window of distance meter
10. Indicator of depth of field
11. Lock for camera back
12. Slide for uncovering & covering red window
13. Red window in camera back
14. Shutter release button

15. Shoe to accommodate special accessories
16. Tripod bush
17. Film spool holder
18. Take-up spool holder
19. Back focusing film frame
20. Film pressure-plate
21. Feed spool chamber
22. Take-up spool chamber
23. Film indicator dial
24. Contact for flash attachment
25. Shutter cocking lever
26. Time disc
27. Diaphragm control
28. Selftimer lever
29. Finder frame change lever
30. Picture size change button
31. Picture size change button catch
32. Picture size reduction masks



(Fig. 2)

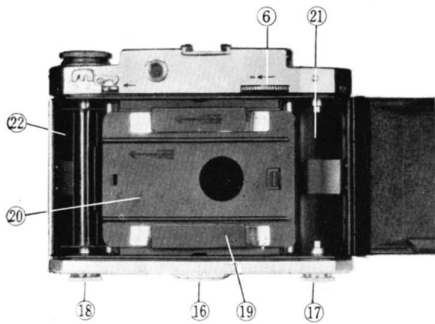
Important

Before proceeding to describe the working of the MAMIYA-6 camera, we should like to express our pleasure that the reader has chosen this camera from our factory. At the same time, we hope that the reader will not grudge the brief time required to familiarise himself with the controls of the camera before actually using it with film, and that he will read carefully through the present instruction booklet. It is only when the working of the camera is thoroughly understood that the highest possible service can be obtained from it, while at the same time we cannot accept any responsibility for defects which arise from faulty treatment on the part of the owner. Our service department is always ready to give any practical information regarding our camera models, and will be very pleased to deal with any questions which arise, that are not explicitly mentioned in the following instructions. The MAMIYA-6 is a precision coupled range-finder camera furnished with many unique features. So the reader must become familiar with the various controls before actually using the camera. Try out every operation quietly at home. The little time necessary will be really well spent, and you will then have untroubled pleasure from your splendid and valuable MAMIYA-6 camera right from the start.

Inserting the film

Film may be loaded by subdued daylight, but the roll of film should on no

1. The locking bolt (11) is released and the camera back hinged open.
2. The focusing wheel must be turned toward near distance and remove the film pressure-plate (20).
3. The full spool of film is placed in the feed chamber (21), the stud of the spool holder (17) having first been pulled outward to accommodate it. (Fig. 5)
4. Slit open the outer gummed paper seal on spool and if possible remove same altogether from spool.



(Fig. 4)

5. For 16 exposures per spool of film, flip the two picture size reduction masks (32) into position from retracted position in the spool chambers; otherwise, keep these hinged masks retracted. To facilitate this operation remove empty spool and turn focusing wheel to right as far as it will go. Masks can be flipped up by engaging finger nail or tip on teeth protruding at both ends of film rollers. (see below)

6. The tapered end of the wrapping paper is then drawn over the

account be exposed to direct sunlight after removal from package and should not be left in the light longer than necessary.

The MAMIYA-6 is loaded with 120 film spools, each spool giving either 12 exposures (6 x 6 cm) or 16 frames (6 x 4.5 cm).

The film must be loaded only when the dial of picture counter (3) indicates No. 1. Should a different number be indicated, push the brake lever (5) in the direction of arrow. Turn the film winding knob (2) clockwise till it automatically stops. By repeating this No. 1 is indicated. In practice, the film counter always indicates No. 1 after the twelfth or sixteenth exposure.

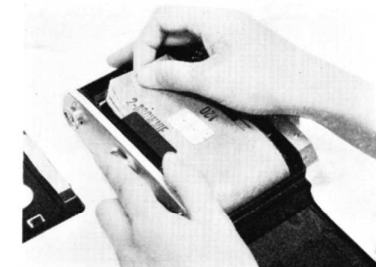
If the empty spool is in the feed spool chamber (21), it must first be placed in the take-up spool chamber (22), with its slotted end facing the winding knob.



(Fig. 3)



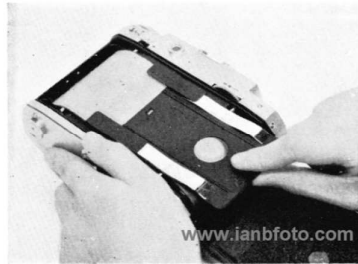
(Fig. 5)



(Fig. 6)

camera and inserted through the film guide rails of the back focusing film frame (19). (Fig. 6)

7. After the wrapping paper is drawn through the guide rails, introduce the tapered end into the broad slit of the empty spool in take-up spool chamber (22). Then it is ready to wind up. Turn the film winding knob (2) twice or three times, see that the wrapping paper runs straight on the empty spool between the two



(Fig. 7)

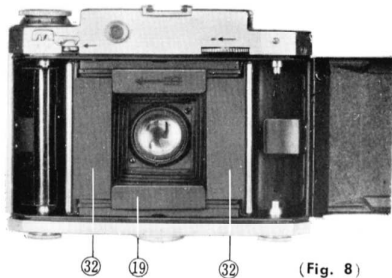
endpieces. Replace the film pressure plate (20) into the film guide rails in the direction of arrow. (Fig. 7) If the point is inserted unevenly, the film will wind on crookedly.

8. The camera back is closed and locked by means of the bolt (11).

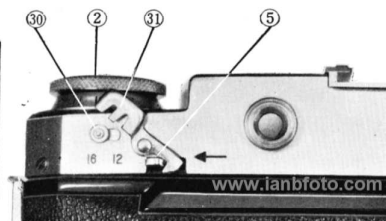
9. Uncover the red window (13) by pushing the slide (12), and move on the film until the warning marks (a hand and some dots) appear in the window, followed by the number 1. The first section

of the film is now ready for exposure. Close the safety cover of red window pushing back the slide (12), to avoid any possibility of fogging when working with panchromatic film.

10. After every shot, wind on the film with the film winding knob (2) as far as it will go, but first releasing the brake lever (5), which must be immediately freed and allowed to spring back to original position. The film is thus turned on the width of one picture and the number of the next exposure will appear on the dial of the counting mechanism. A red signal warning against double exposure appears in the



(Fig. 8)



(Fig. 9)

picture size change button (30) to desired number of exposures (from 12 to 16, or vice versa) (Fig. 9). Replace button catch (31) so that slot engages button tip securely. Adjust finder frame by shifting finder frame change lever (29) toward finder window for 16 exposures per roll, or vice versa. Never release picture size change button catch (31) without first loading film and readying for first exposure.

Making the exposure

By moving the small button (1) downwards, the front carrying the lens and

window of combined finder and distance meter (8).

Unloading the exposed film

After the last exposure, release the brake lever (5) and the dial of picture counter shows No. 1 again. The film winding knob is now no longer locked. Wind the film on until the end of the paper is completely wound on to the full spool. Open the camera back, as already described, pull out the stud of take-up spool holder. The exposed spool of film is removed (holding it tightly to prevent it from loosening), and the end of the wrapping paper stuck down with the gum strip provided, folding over the pointed end. It is best to place the empty spool into the take-up spool chamber (22) immediately on removal of the full spool. Now it is ready for the next loading.

Changing from 12 to 16 pictures per roll of film, or vice versa

When changing from twelve exposures per roll, or vice versa, first set the picture size reduction masks (32) for the correct size. (Fig. 8). Insert film in the manner described above and wind until the first frame is ready for exposure. Next release brake lever (5), release picture size change button catch (31) upward, and move

shutter is opened, and will move automatically into the erected position.

No definite instructions can be given for holding the camera, for it is only important that the camera is held steadily in the hands and does not move in the slightest degree during the time that the shutter is open. But it has been found useful to hold the camera in the palms of the hands with the fingers surrounding it. The thumb of the right hand can then operate the focusing wheel while the forefinger locates on the shutter release button. (Fig. 10 & Fig. 11)

The MAMIYA-6 is so designed that the shutter is only released when it is cocked with shutter cocking lever, to prevent double exposure.

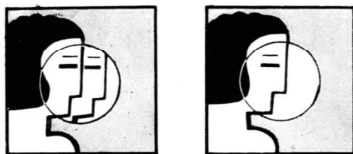


(Fig. 10)



(Fig. 11)

The combined view-finder and distance meter



(Fig. 12)

Focusing is carried out exclusively with the distance meter, which is coupled to the lens. By this means, correct focusing can be guaranteed under all circumstances.

By looking through the eyepiece (7), there will be seen in the centre of the finder field a central circular lighter patch in which the objects in front of the camera

will appear in double outline. By turning the focusing wheel (6), one of these outlines will move sideways, and when it has been shifted until only one image instead of two can be seen, the lens is focused for that particular distance.

Distances are measured from the focal plane of the camera; in practice this is equivalent to the back wall of the camera. The scale of focusing distances and depth of field to each stop diaphragm can be read on the scale window of distance meter (9). The Depth of Field is the distance between the points nearest to and farthest from the camera that appears in sharp focus, depending upon the stopping of the lens opening and the distance focused upon. Here the camera is focused on 4 feet. At $f/11$, everything will be in focus from 3.5 feet to nearly 5 feet.



(Fig. 15)

a separate lens attached to the close-up lens. So that your camera range-finder can be used to adjust your distance. And so AUTO-UP increases the scope of pictures at close range without any trouble.

Auto-focusing mechanism of AUTO-UP is perfect both theoretically and practically, and on this point it is superior to any other near focusing attachment made so far.

It is a very useful accessory and every MAMIYA-6 owner should have one.

AUTO-UP

AUTO-UP is another novel accessory for the MAMIYA-6. It is a new focusing device eliminating complications in changing or taking off the lens.

AUTO-UP is a useful accessory when taking pictures of portraits, flowers, small objects, etc. It fits on to the camera as easily as an ordinary filter. It is always ready for use and no special adjustments are necessary.

With the help of AUTO-UP, it allows you to take pictures from 20 to 40 inches from the camera. In order to focus, it has

Closing the camera

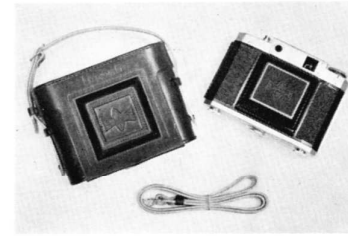
The camera front is closed by pressing with the thumbs (as shown) on the struts supporting the lens board, and lifting the front towards the body.

The self-erecting mechanism is thus released, and the lens support together with the lens and the shutter, withdraws automatically into the camera body. Press down the baseboard until it snaps. (Fig. 13)

To protect the camera, keep it in the MAMIYA-6 eveready case. (Fig. 14)



(Fig. 13)



(Fig. 14)

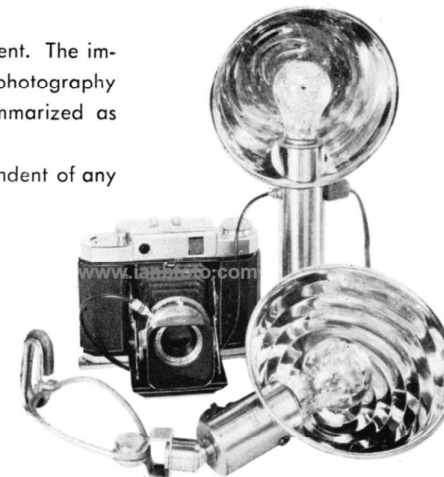
To make a synchro-flash exposure, there is the famous

Mamiya's Synchro-Flash Equipment. The important advantages of synchro-flash photography with MAMIYA-6 camera may be summarized as follows :

1. The photographer is independent of any special lighting other than that coming from the flashbulb.

2. The flash equipment is attached to the MAMIYA-6. In this way the whole outfit becomes a portable unit.

3. Flash pictures are ideal for quick candid type exposures, because the instant exposure gives a natural pose.



(Fig. 16)