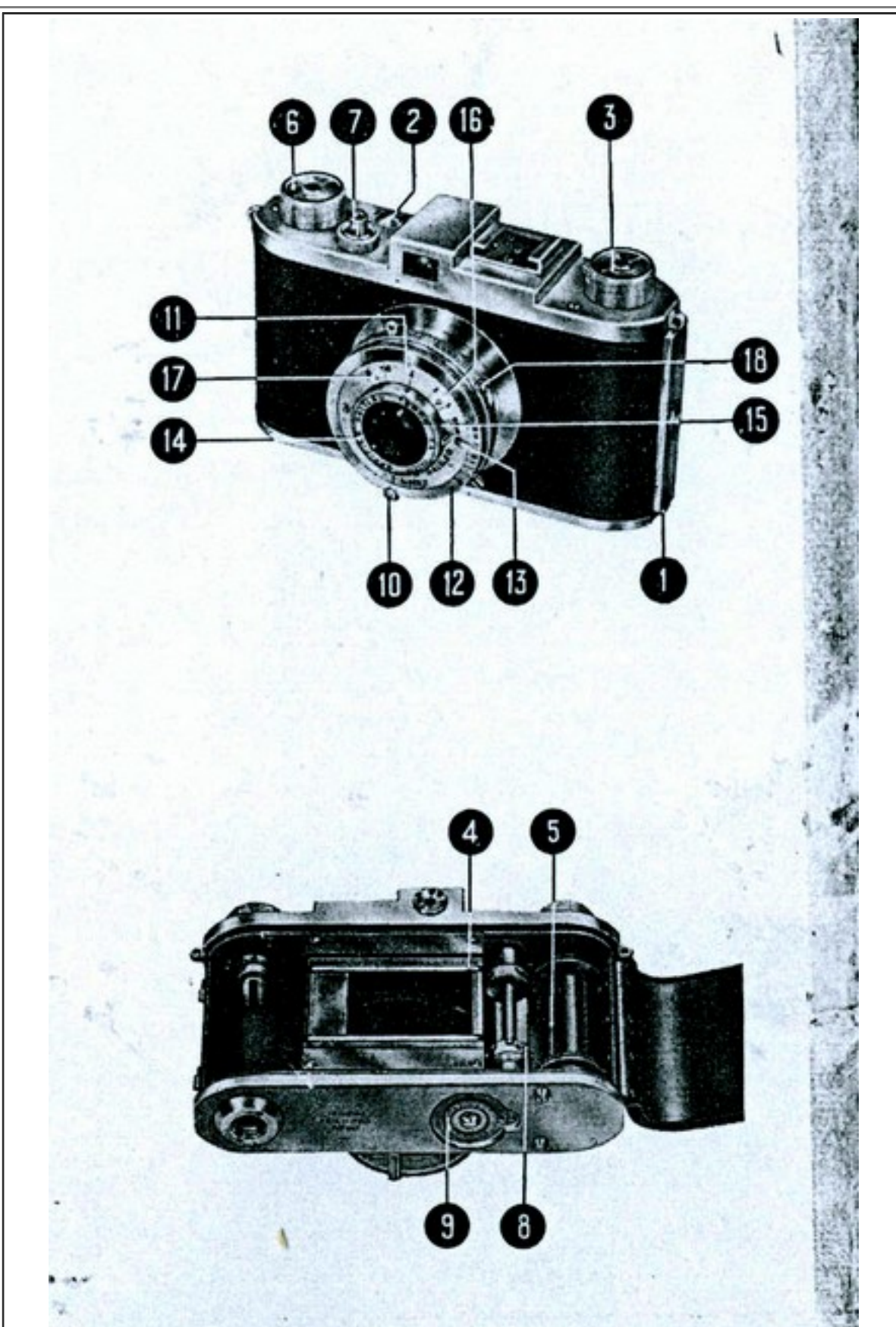
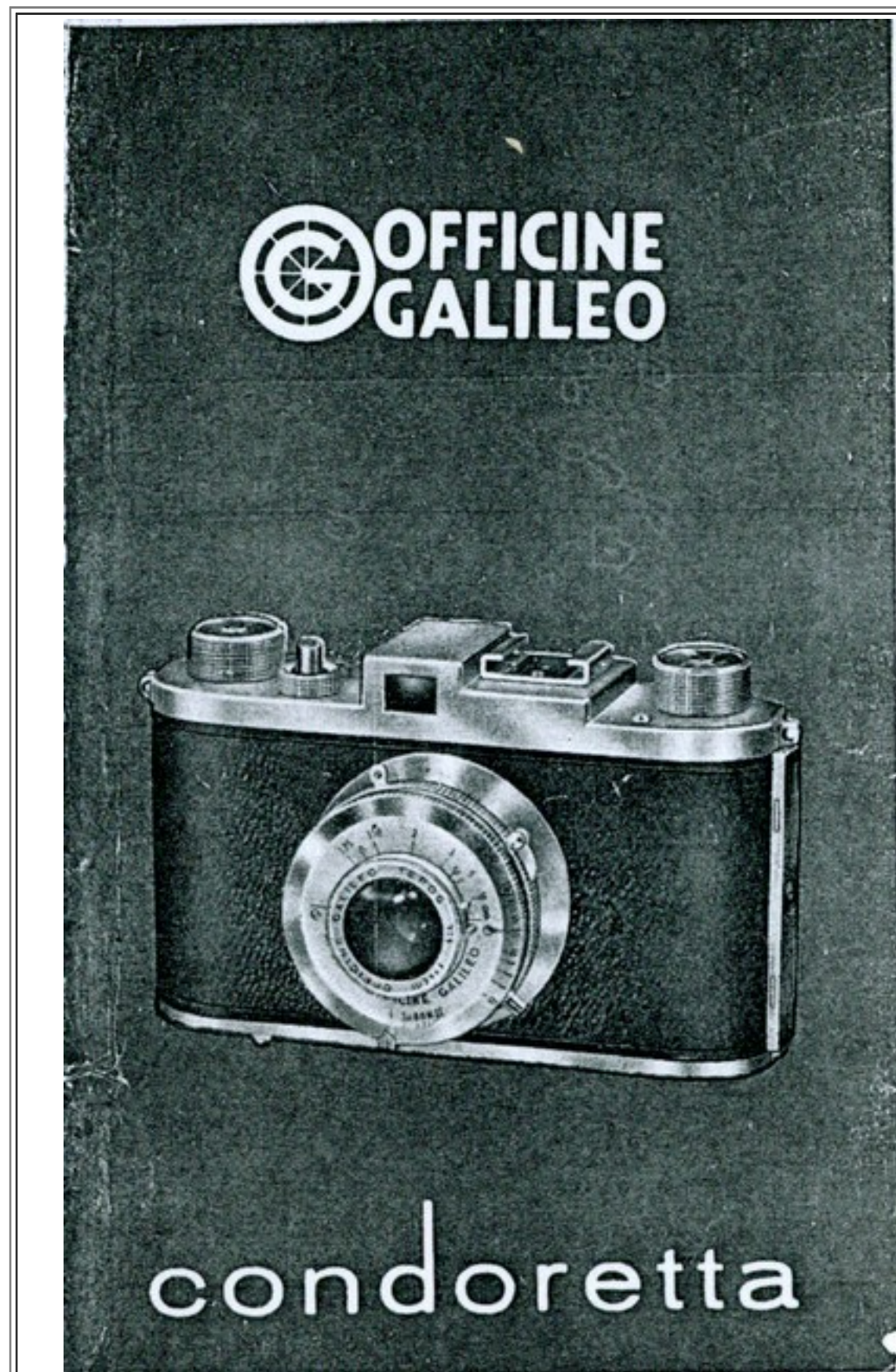


FOTOCAMERE FERRANIA

FERRANIA CAMERAS

CONDORÉTTA - Istruzioni



"condoretta"

GENERAL FEATURES

Picture size: 35 mm. film in normal cartridges up to 36 exposures.

Dimensions: 5" x 3" x 2".

Weight: 1 lb.

Lens: Three elements wide-angle, TEROG GALILEO with the first lens adjustable for an exact focussing.

Aperture ratio: 1:4

Focal Length: 1" 5/8

Angular field: 56°

The air-glass surfaces of each lens are coated for antireflecting purposes in order to obtain an optical efficiency, corresponding to that of an uncoated 1:3,5 lens.

Shutter: In-between lens OFFICINE GALILEO "APLON", patented.

Speeds: between 1 and 1/300 of a second; "T",

Iris Diaphragm: with click-stop setting from 4 and 22.

Focussing: Front Element

View finder: optical, covers the whole lens-field.

Shutter release: built in for smooth working.

Double exposure prevention.

Automatic film coming.

Flash light synchronizer: on the shutter for flash pictures.

Tripod screw: with normal thread.

DIRECTIONS FOR USING CONDORÉTTA

fig. a

1) - Camera loading (fig. a and b)

Use a normal 35 mm. film cartridge up to 36 exposures. The camera has to be loaded quickly in a diffused day light, protecting camera and cartridge as well from the direct sun rays.

To open the camera press the back cover and draw bolt (1). Verify that disk (2) covers the red mark and bring the knob R (3) from its normal position to that indicated in figure a, lifting it up and turning until it remains lifted.

Put the cartridge in its housing inside the camera, taking care that the cartridge milled knob gets into its groove. Push knob (3) down in its normal position, in order to get the cartridge firmly kept. Pull the film out of the cartridge about 4" - 5", including the film tip, making sure that the

emulsion side be against film track (4). Now put about 1/2" of the film tip in the slot of the spool and turn the film so that turning the winding knob to the right, the emulsion side be external to the winding. When it is not possible to turn the knob any more, cock the shutter by means of lever (18) and push the release button (7) going on in rotating button (6) until the film is kept stretched in such a way that the teeth of spool (8) are well engaged with the perforated film. In such a condition, the film will lie down on track (4).

fig. b

Close the back of the "Condoretta", by pushing bolt (1) inwards and let the film run by turning knob (6) until it stops.

Press once more release button (7) after having cocked again the shutter, go on turning knob (6) until it stops again.

At this point the "Condoretta", is ready for use.

It is now necessary to set counting dial (9), on the bottom plate of the camera, by turning the knurled ring (11) the first line after zero appears against the corresponding mark.

fig. c

2) - Taking the picture

Diaphragm opening (fig. c)

Turn the index lever (10) until it coincides with the desired value of diaphragm opening marked on ring (11). The iris diaphragm openings can vary between 1:4 and 1:22.

fig. d

Exposure time (fig. d)

The exposure time is set by turning the milled ring (12) of the shutter until index (13) corresponds to the denominator of the fraction indicating the chosen speed. For instance, number 300 corresponds to opening 1/300 of a second; number 10 to opening 1/10 of a second, and so on.

fig. e

Focussing (fig. e)

The "Condoretta", is fitted with an objective of 1" 5/8 focal length, which practically allows to eliminate the use of the range-finder: in fact, owing to its short focal length, it has a considerable depth of field (see enclosed chart).

It is therefore sufficient to judge approximately the distance of the object being photographed and then turn ring (14) which holds the first lens of the objective, until index (15) coincides with the figure corresponding to the supposed distance in feet, marked on ring (11) of the shutter.

Anyhow, with opening 1:8 generally used for open air pictures, by setting the index in correspondence to the red circle (16) on ring (11), all the objects at a distance between 6 feet 5/8 and infinity are focused; by setting the index in correspondence to the red arrow (17) all the objects at a distance between 3 feet 1/8 and 6 feet 5/8.

On ring (11) are marked the distances between infinity and 3 feet. By turning the front of the objective, it is possible to focus also the objects within 3 feet, about as near as 1,5/8 feet e. g. for the reproduction of small objects, documents, and so on. In this case, before loading the camera, it is advisable for the focussing to place a small ground glass plate on the film track, while the back of the camera is open.

fig. f

Cocking the shutter (fig. f)

The operation is carried out by turning lever (18) until it stops.

fig. g

Taking the picture - Release of the shutter (fig. g)

By pressing the shutter release button (7) with the right (fore)finger, the exposure is made. Knob (7) must be pushed until the bottom in order to be able to rotate successively knob (6) for advancing the film. The shutter does not work, even if it has been cocked again, if this operation has not previously been performed, thus preventing operator from making double exposures.

fig. h

Taking flash pictures (fig. h)

The shutter of the "Condoretta", is fitted with an electric device for taking pictures with flash lamps.

It is advisable to use "F", class lamps (with rapid lighting), such as "S. M. General Electric Co.", "S. F. Sylvania", "S. M. Westinghouse", with which it is possible to have a synchronization for speeds up to 1/100 of a second; with slower lighting lamps such as the "P. F. 14", and "P. F. 25 Philips", or the "N. S.", and "S. B. General Electric Co.", and "Westinghouse", the "Press 25 Sylvania", etc.; it is possible to have a synchronization for speeds up to 1/50 of a second.

With the electronic lamps without relays, it is possible to have a synchronization with speeds up to 1/300, while with the electronic lamps with relays, the synchronization depends on the inertia of the latter.

In order to take a flash picture, insert the lamp cable into the proper plug placed on the border of the shutter, then take the picture in the usual way.

fig. i

3) - Advancing the film (fig. i)

In order to advance the film, turn knob (6) to the right until it stops. The camera is now ready for taking a new picture, by repeating the operations mentioned in paragraph (2).

fig. i

4) - Changing the film cartridge (fig. i)

When the counting dial (9) shows that the 36 pictures (or less) have been taken, the cartridge must be changed. Normally this is also shown by the fact that knob (6) turns no farther.

In order to replace the cartridge, move button (2) thus uncovering the red mark, turn knob R (3) in the direction of the arrow as far as possible, or until knob (6) stops. In the first case the film tip is still held in the slot of the winding spool (5); in the second case the film tip is free. In both cases you can open the back of the camera as mentioned before. Lift up knob (3), and remove the cartridge from the camera.

To replace a new cartridge, proceed as shown in paragraph (1).

DEPTHS OF FIELD FOR OBJECTIVE "TEROG,"

Position of the focusing index	STOPS					
	4	0,6	8	11	16	22
∞	26 1/4	18 1/4	13 1/8	9	6 1/2	4 3/4
30	14	11 1/2	9 1/8	6 7/8	5 1/8	4 1/8
15	34 7/8	74 7/8	7	5 3/8	4 1/2	3 5/8
10	26 1/4	43 7/8	6 1/2	5 1/8	4 1/8	3 1/2
6	16 1/8	21 1/8	4 1/2	4 1/8	3 1/4	3 1/4
6	7 1/4	8 1/2	11 1/8	18 1/4	70 9/16	∞
6	6 1/8	4 1/2	4 1/8	3 3/8	3 1/8	2 5/8
Δ	5 1/4	5 1/8	6 1/8	8 1/4	13 1/8	52 1/4
Δ	3 3/8	3 1/2	3 1/8	2 7/8	2 1/4	2 1/4
4	4 3/8	5 1/8	5 1/4	7 1/4	10 1/4	24 7/8
4	3 1/2	3 1/4	2 3/4	2 1/4	2 1/4	2 1/4
3	2 3/4	2 3/4	3 1/2	4 1/2	5 1/2	8
3	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2	2 1/8	2 1/4	2 1/8	2 1/8	2 1/8	3 1/2

Nota - The distances are indicated in feet and are measured from the back of the camera.

- Data calculated for diameter of the confusion circle 1/500".

COLORED FILTERS FOR THE "CONDORÉTTA,"

CHART OF THE EXPOSURE FACTORS

N.	Ortho	Panchro
G. 1	1.5	1.5
G. 2	3	2.5
G. 3	4	3
G. R. 1	5	3
G. R. 2	—	4
V. 1	3.5	3
V. 2	4	4.5
V. 3	5	6
R. 1	—	3.5
R. 2	—	4
A.	1.5	2

The exposure factors are determined for film "Ferrania".

2.000 - G1951 - Tip. A. CONTI & Figli - Firenze