

HOW TO USE

your argus 21

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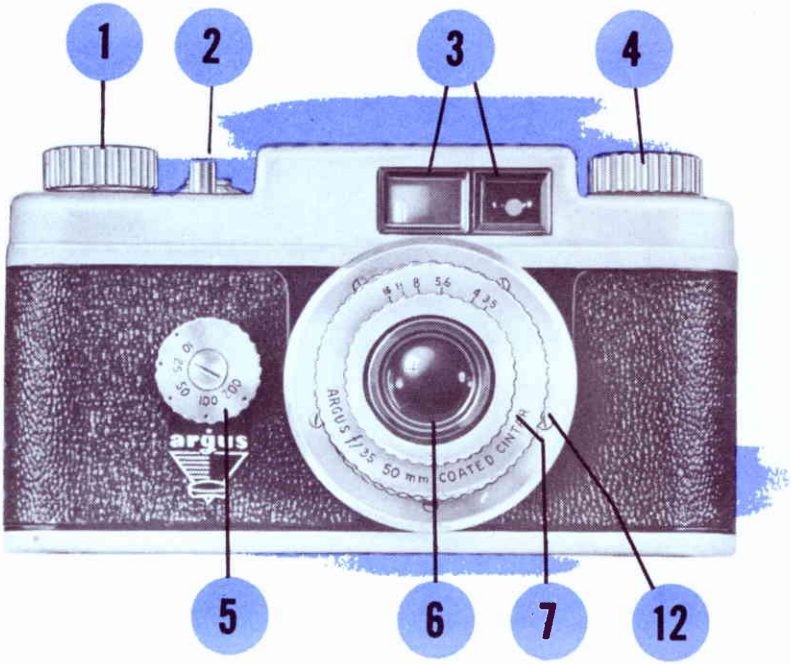
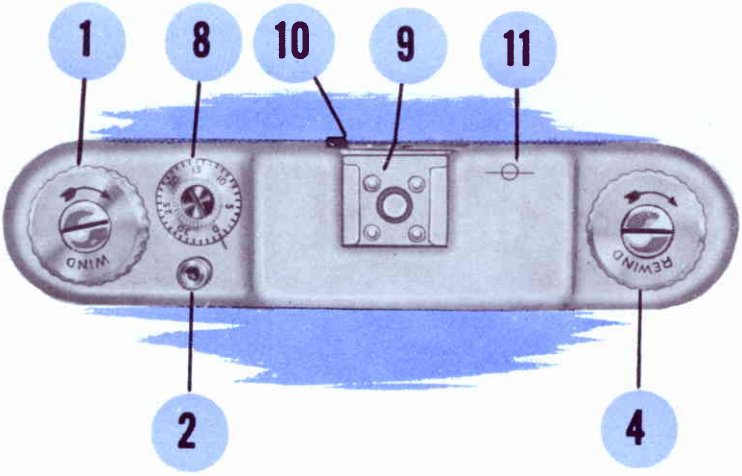
Argus Cameras, Inc.
Ann Arbor, Michigan

argus





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"21"

Argus 21 is a completely new interpretation of 35 mm. camera design. It shows the picture as it will appear on the film . . . thanks to the exclusive Markfinder that permits preselection of the best composition. Also incorporated in the 21 are other advanced features which make picture-taking easier, and good results more certain. It is a precision instrument and should receive the care accorded a fine watch, though it is rugged in construction and will give you years of picture-taking enjoyment.

To obtain the utmost from your Argus 21 read this instruction book carefully so you will thoroughly understand its operation.

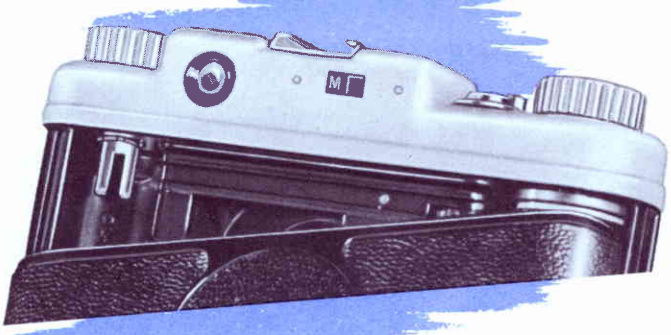
1 Wind Knob
2 Shutter Release
3 Markfinder
4 Rewind Knob
5 Shutter Speed Dial
6 Lens
7 Aperture Ring
8 Counter Dial
9 Flash Attachment
10 Flash Bulb Adjustment
11 Film Plane Index For Critical Copy Work
12 Focusing Ring

LOADING

Use Standard 35 mm. film cartridges
Black and white or color
Winding knob must be engaged before loading and wound until it stops



1 Unlock the back of the camera by turning the locking catch on the base of the camera in the direction marked "open".



2 Slide off the camera back.

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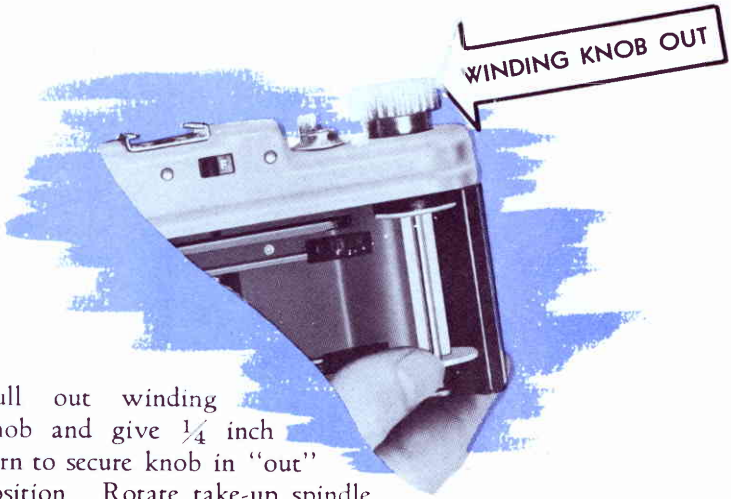
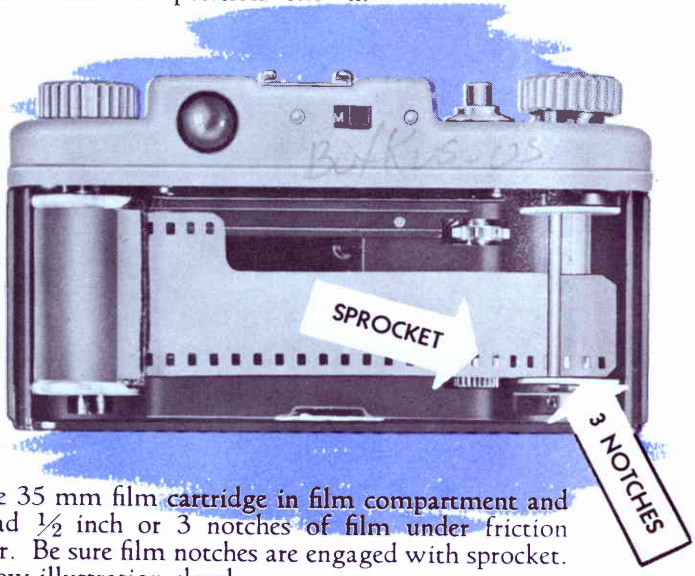
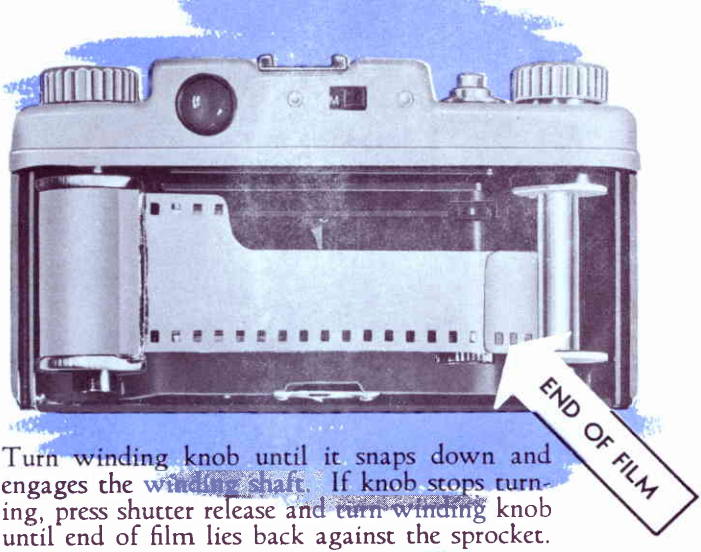


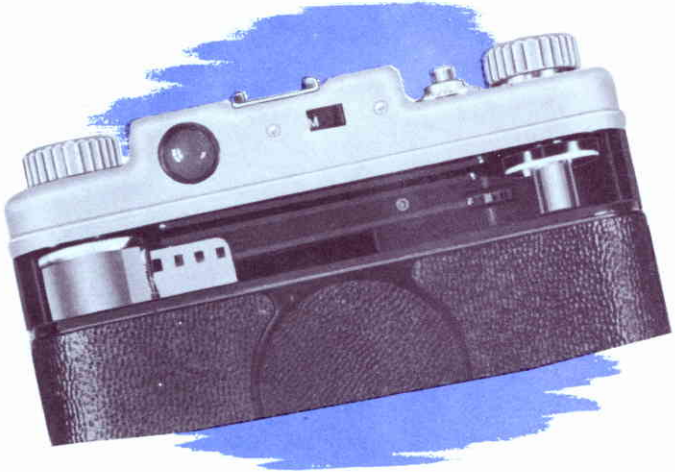
3 Pull out winding knob and give ¼ inch turn to secure knob in "out" position. Rotate take-up spindle with thumb to position shown.



4 Place 35 mm film cartridge in film compartment and thread ½ inch or 3 notches of film under friction roller. Be sure film notches are engaged with sprocket. Follow illustration closely.



5 Turn winding knob until it snaps down and engages the winding shaft. If knob stops turning, press shutter release and turn winding knob until end of film lies back against the sprocket.



6 Replace camera back making sure it is fully closed and the locking catch turned to the locking position.

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7

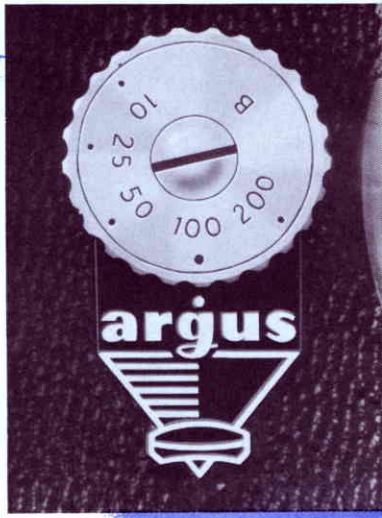
Turn winding knob until it stops, press shutter release, and again turn winding knob until it stops.



8

Set exposure counter dial by pushing down with thumb and turning clockwise until index line is opposite 20 or 36, depending on film used. The camera is now ready for the first picture. The counterdial will indicate at all times the number of pictures left on the film.

SHUTTER



To adjust the shutter, turn speed dial until speed desired is opposite index dot. Don't set between numbers. Don't turn dial clockwise (to the right) beyond "B" or counterclockwise (to the left) beyond "10". (See Exposure Guide on opposite page.) Speed "100" is in red. When used with red aperture and footage markings, the Argus 21 can be used without further adjustment for average pictures in bright sunlight. Speed "B" means "bulb". It is used for longer exposures indoors or at night with dial set at "B", shutter will remain open as long as shutter release is depressed.

There are four steps to taking pictures with Argus 21:

Shutter adjustment, according to the type of subject.

Aperture, or lens adjustment, according to the light condition.

Focusing, according to the distance from camera to subject.

Exposure, or taking the picture.

Think of the word SAFE and you will get into the habit of making each step in the correct order.

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APERTURE

To adjust the aperture (lens opening) turn front milled ring of lens mount until index line is opposite correct f number. (See Exposure Guide above). Lens opening f:8 is marked in red. When lens opening, shutter speed and focus markings in red are used in combination, the Argus 21 is properly set for all average pictures outdoors.

OUTDOOR EXPOSURE GUIDE

For Average Fast Film Like Kodak Plus X, ANSCO Supreme, etc.

Subject	Brilliant	Bright	Cloudy-Bright	Cloudy-Dull
Beach, Water and Snow Scenes; Distant Landscapes.	Shutter 1/100 Lens f/16	1/100 f/11	1/100 f/8	1/100 f/5.6
Close-ups in Beach, Water and Snow Scenes; Landscapes with Foreground.	1/100 f/11	1/100 f/8	1/100 f/5.6	1/100 f/4
Pictures of People, Children at Play, Gardens, Houses, Street Scenes.	1/100 f/8	1/100 f/5.6	1/100 f/4	1/50 f/4
All Subjects in Open Shade; Not Under Trees or Porches.	1/100 f/5.6	1/100 f/4	1/50 f/4	1/25 f/4

For color see instructions supplied with film
For indoor pictures see instructions supplied with flood and flash bulbs

FOCUSING

To focus the Argus 21, turn the center milled ring of the lens mount until proper distance (camera to subject) is opposite index line. When lens opening, shutter speed and focus marking in red are used in combination, the Argus 21 is properly set for all average pictures outdoors.



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DEPTH OF FIELD

The "depth of field" table below indicates the range of sharpness in the picture at different lens and focus settings. For example: With the Argus 21 focused on 25 feet, and the lens set at f8, all subjects between 11′ 6″ and infinity will appear sharp. By referring to the table, you can readily determine the range of sharpness for any lens and focus settings.

Distance Focused on	f:3.5 Sharply Focused		f:4 Sharply Focused		f:5.6 Sharply Focused		f:8 Sharply Focused		f:11 Sharply Focused		f:16 Sharply Focused	
	From	To	From	To	From	To	From	To	From	To	From	To
3	2′ 11″	3′ 2″	2′ 10″	3′ 2″	2′ 9″	3′ 3″	2′ 8″	3′ 4″	2′ 7″	3′ 7″	2′ 5″	3′ 11″
3.5	3′ 4″	3′ 9″	3′ 4″	3′ 10″	3′ 2″	3′ 10″	3′ 1″	4′ 1″	3′	4′ 5″	2′ 9″	5′ 1″
4	3′ 9″	4′ 4″	3′ 9″	4′ 4″	3′ 7″	4′ 6″	3′ 6″	4′ 10″	3′ 3″	5′ 3″	3′	6′ 1″
5	4′ 7″	5′ 6″	4′ 6″	5′ 7″	4′ 4″	5′ 10″	4′ 2″	6′ 4″	3′ 11″	6′ 6″	3′ 6″	9′
6	5′ 5″	6′ 9″	5′ 3″	6′ 11″	5′ 1″	7′ 1″	4′ 9″	8′ 2″	4′ 5″	9′ 6″	4′	13′
8	6′ 11″	9′ 6″	6′ 10″	9′ 10″	6′ 5″	10′ 9″	5′ 10″	12′ 8″	5′ 4″	16′ 4″	4′ 8″	32″
10	8′ 4″	12′ 6″	8′ 2″	13′	7′ 6″	15′	6′ 9″	18′ 9″	6′ 3″	28′	5′ 3″	∞
15	11′ 6″	22′	11′	23′	10′	32′	8′ 9″	55′	7′ 9″	∞	6′ 2″	∞
25	16′ 6″	53′	15′ 8″	63′	13′ 9″	162′	11′ 6″	∞	9′ 6″	∞	7′ 6″	∞
50	24′	∞	23′	∞	19′	∞	15′	∞	11′ 9″	∞	8′ 9″	∞
100	32′ 2″	∞	29′ 6″	∞	23′	∞	17′ 4″	∞	13′ 2″	∞	9′ 5″	∞
∞	47′	∞	41′	∞	29′	∞	20′	∞	15′	∞	10′	∞

TAKING THE PICTURE



Shown above are the correct methods of holding the Argus 21 for vertical and horizontal pictures.

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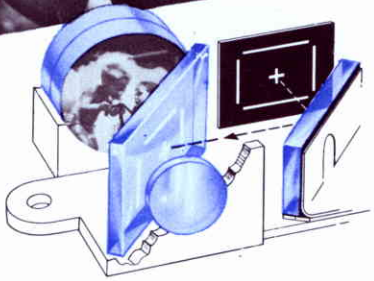
HORIZONTAL AND VERTICAL



Be sure to hold the camera steady at the moment the picture is taken, and press the shutter release smoothly.

THE MARKFINDER





The Argus Markfinder on the Argus 21 is a new type view-finder, similar in principle to the military gun-sights which proved so accurate during the war. Its field of view includes more than will appear on the film, and a reticule, projected into the field, outlines the area which will be in the picture. A cross helps to center the subject. Thus, composition is simplified.

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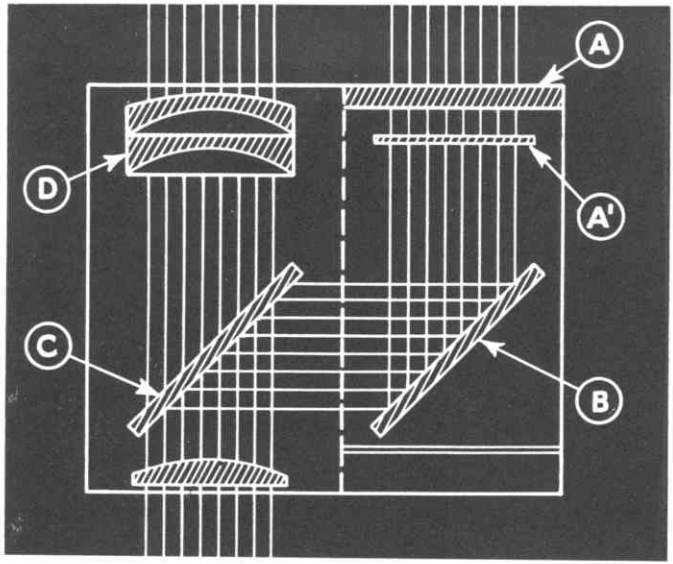
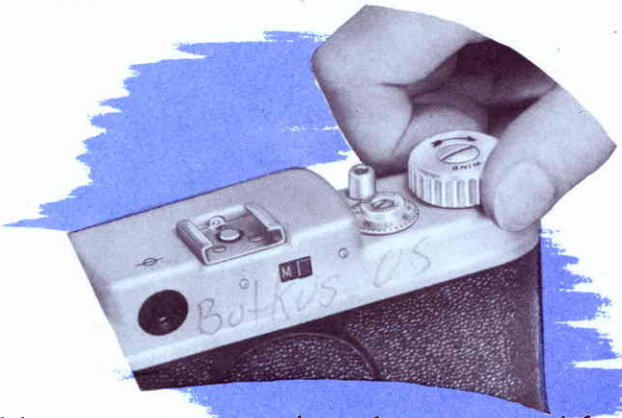


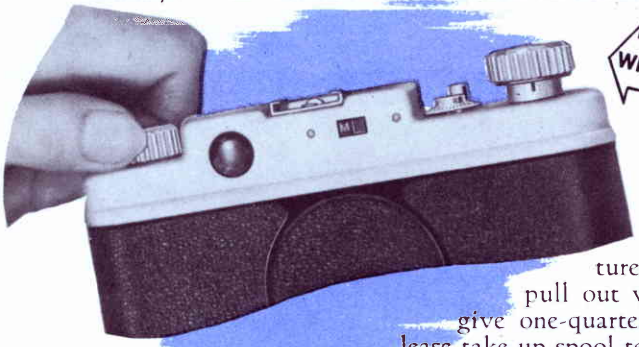
The Markfinder's chief advantages are: It shows you the subject as it will appear on the film, not just a part of it as is the case with other optical view-finders. The Markfinder field of view is independent of the eye; no matter how or where you hold your eye, the view is always the same.

The cross-section above shows the principle. Light passing through ground glass (A) and the reticule (A′) is reflected by mirror (B) semi-silvered mirror (C) and is projected into the field of view through distortionless doublet finder objective (D). You see the picture area outlined with a white line . . . always the same whatever your eye position.

WIND AND REWIND



Make it a practice to wind the film by turning winding knob as far as it will go just before taking a picture. This will prevent tripping the shutter release accidentally. The counter indicates pictures left on the roll. The shutter is automatically set for the next picture when the film is wound. Thus, you cannot accidentally take two pictures on the same film.



When all pictures have been taken, pull out winding knob and give one-quarter inch turn to release take-up spool tension, and rewind film (using knob marked "Rewind") until counter dial has stopped rotating. Continue to turn knob three to four full revolutions to be sure film is entirely in the cartridge.

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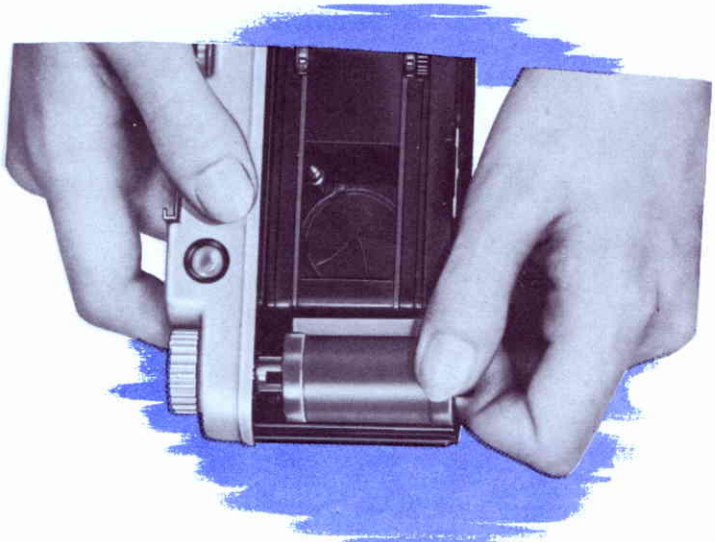
TAKE OUT SPOOL



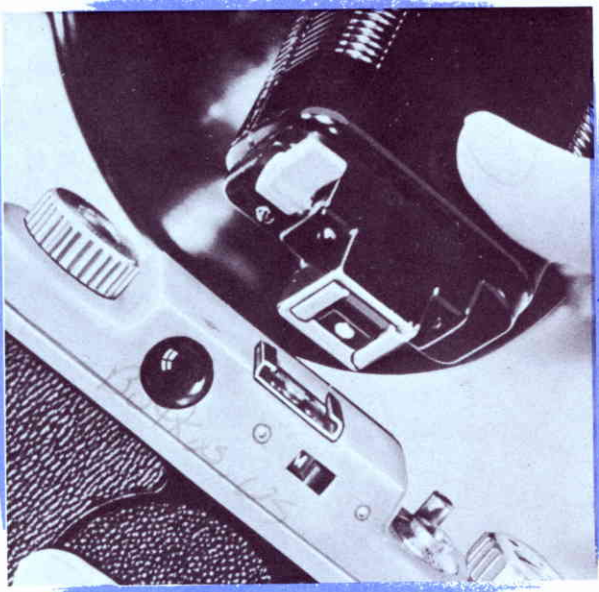
Open back of camera as in loading, and remove film cartridge.

FOR BEST RESULTS

Develop or have the film developed as soon as possible. This will insure better pictures. Keep the camera loaded with film so you will be ready for any picture opportunity.

Argus 21 Uses Standard 35mm Film Cartridge Black-and-White or Color

argus 21 FLASH UNIT



Argus 21 may be used with the Argus Flash Unit, which clips to the top of the camera. Synchronization is built into the camera and is correct at all shutter speeds. For complete information refer to flash unit instructions.

Note: Popular amateur flash lamps come in two classifications: Medium delay (Sylvania Press 25, Press 40, No. 2 and G.E. or Westinghouse No. 5, 11, 22) which fire 20 milliseconds (1/50 second) after contact; fast delay (Sylvania SF and G.E. or Westinghouse SM) which fire 5 milliseconds (1/200 second) after contact. An adjustment on the Argus 21 permits use of both types at all shutter speeds.

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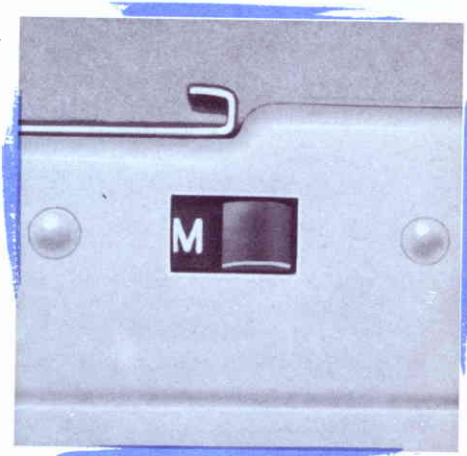
FLASH ADJUSTMENTS

A small black lever on the back of the camera permits adjustment for using both *medium* and *fast* delay flash lamps. It should be set at "M" for medium delay and "F" for fast delay lamps (See note on opposite page).



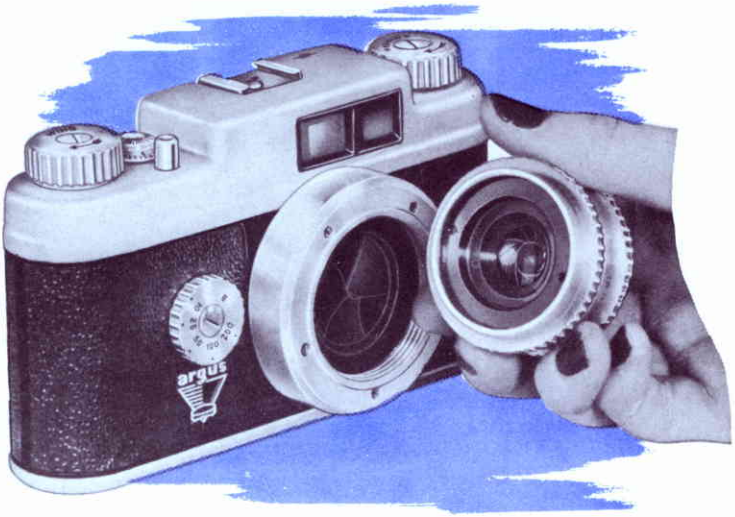
By means of this adjustment any of the popular amateur flash lamps may be used in conjunction with *any* shutter speed.

Be sure the setting is correct for the lamp in use.



The Argus 21 Flash Unit Extension increases the camera's versatility in flash photography; helps in obtaining balanced lighting, better modeling and unusual effects. For complete information refer to flash unit instructions.

REMOVABLE LENS



The Cintar f:3.5 lens on the Argus 21 is removable, and may be used on an enlarger. Unscrew the lens by means of the knurled ring at the base of the lens mount, adjacent to the camera. Do not unscrew by means of the focusing ring or focus adjustment may be damaged. There is no danger of fogging film in the camera when the lens is removed.

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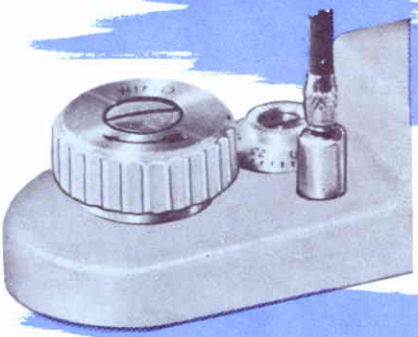
CARRYING CASE



The Argus 21 carrying case is made of the finest quality saddle leather, beautifully stitched and tailored to the camera for a perfect fit. You'll be proud to carry your Argus 21 in it.

An Argus carrying case protects your camera from hard knocks, from the weather, and provides a convenient means of carrying. A retaining screw holds the camera securely in the case. It also permits the use of a tripod without removing the camera from the case.

CABLE RELEASE



Provision is made for using a cable release, if desired. Your Argus Dealer can supply one. The cable release screws into the top of the shutter release. It is useful for taking pictures when the "bulb" setting is used.

TRIPOD BUSHING



To use a Tripod with Argus 21, attach it to the threaded bushing on the base of the camera.

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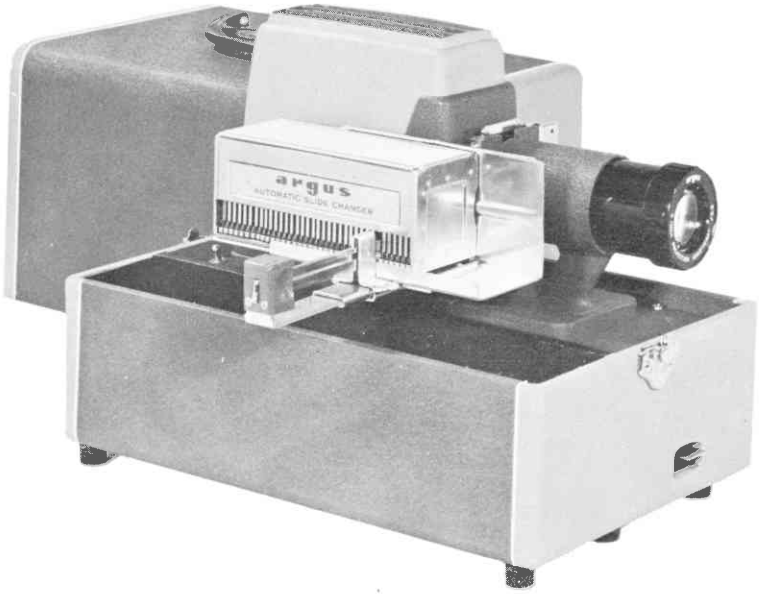
ARGUS AUTOMATIC 300 BLOWER-COOLED PROJECTOR



The finest optical system yet devised for slide projection, now combined with a complete, convenient system for viewing, indexing and storing your highly-prized color slides—automatically. The wide angle f:3.5 lens projects big pictures, even in a small room. Silent, powerful blower and special heat absorbing lens protect your valuable slides. Projector, blower, changer, and space for extra slide magazines all designed into a handsome, luggage-style case. It's America's favorite way to view color slides.

Guarantee

Your Argus 21 camera was thoroughly inspected and tested before it was shipped from our factory, and when purchased from an *Authorized Argus Dealer,* it is fully guaranteed for a period of one year from the date of purchase against defects in workmanship or material.

If this camera developes defects in material or workmanship during this period, it will be repaired or replaced (our option) without charge.

This guarantee is void in the event the camera has been damaged through accident, misuse, mishandling or for reasons beyond our control.

IMPORTANT

Authorized Argus Dealers sell new Argus equipment at full list price; used or rebuilt equipment sold at less than list price is not guaranteed by the factory.

Argus Cameras, Inc., Ann Arbor, Michigan

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