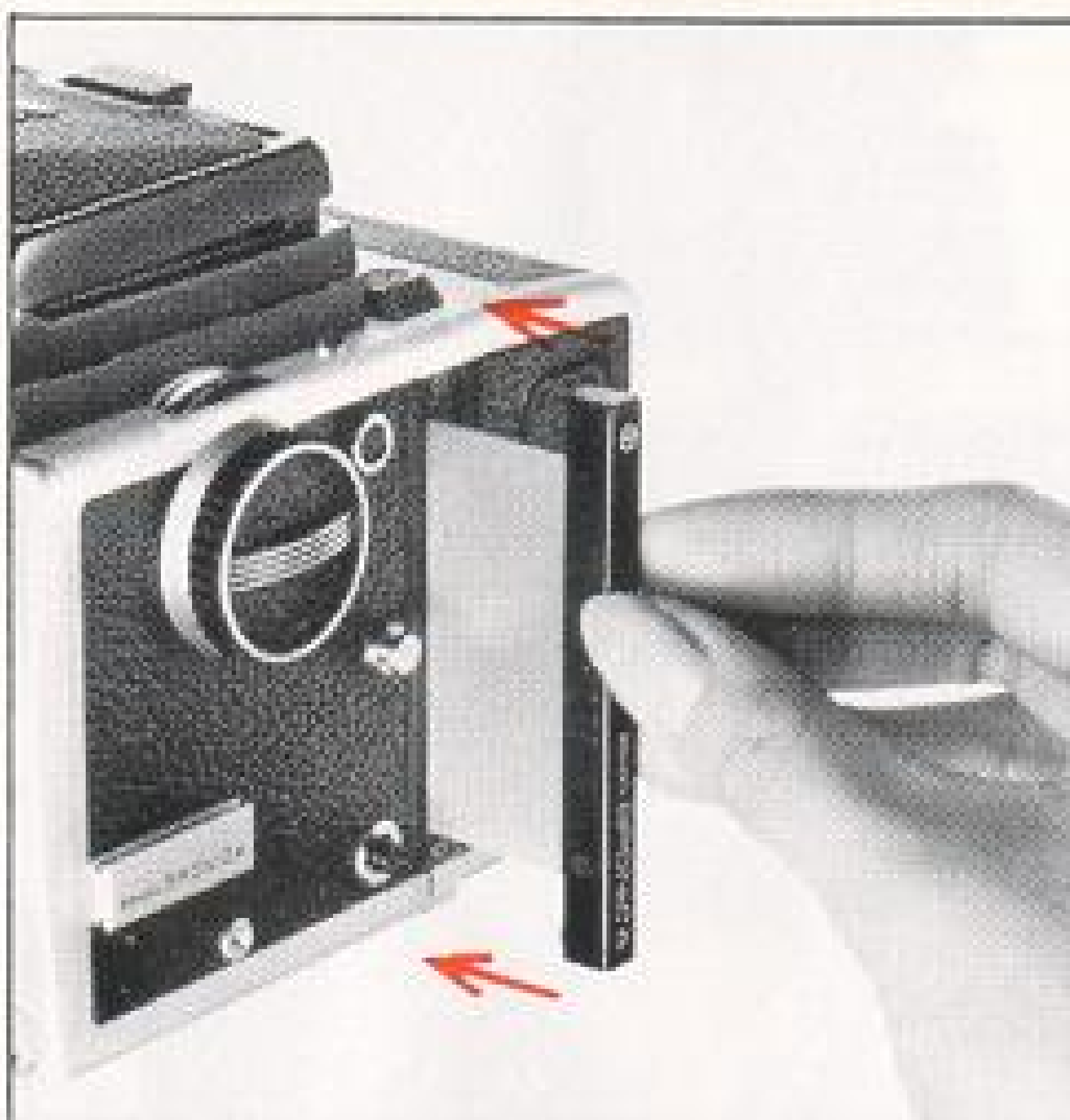
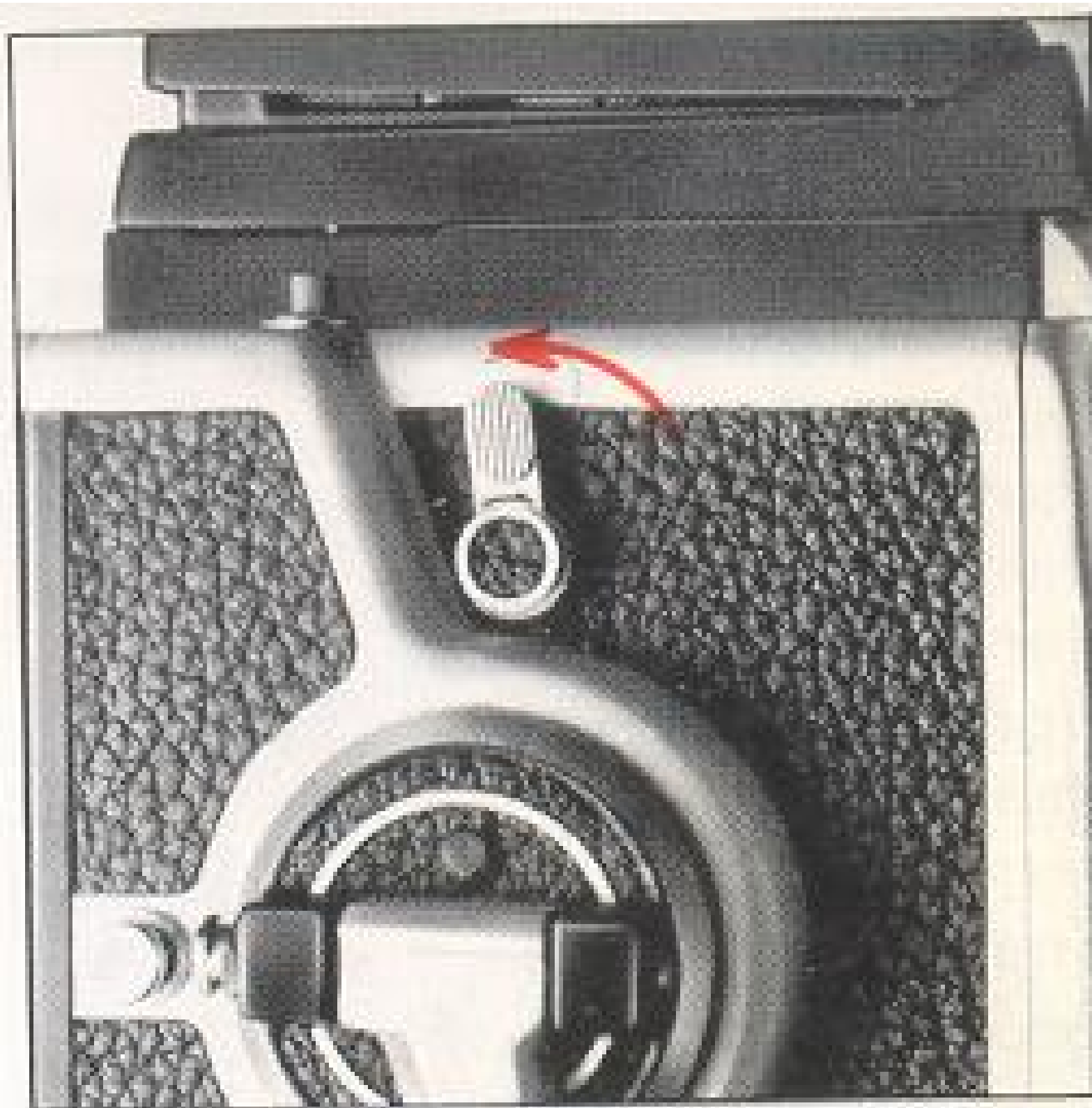
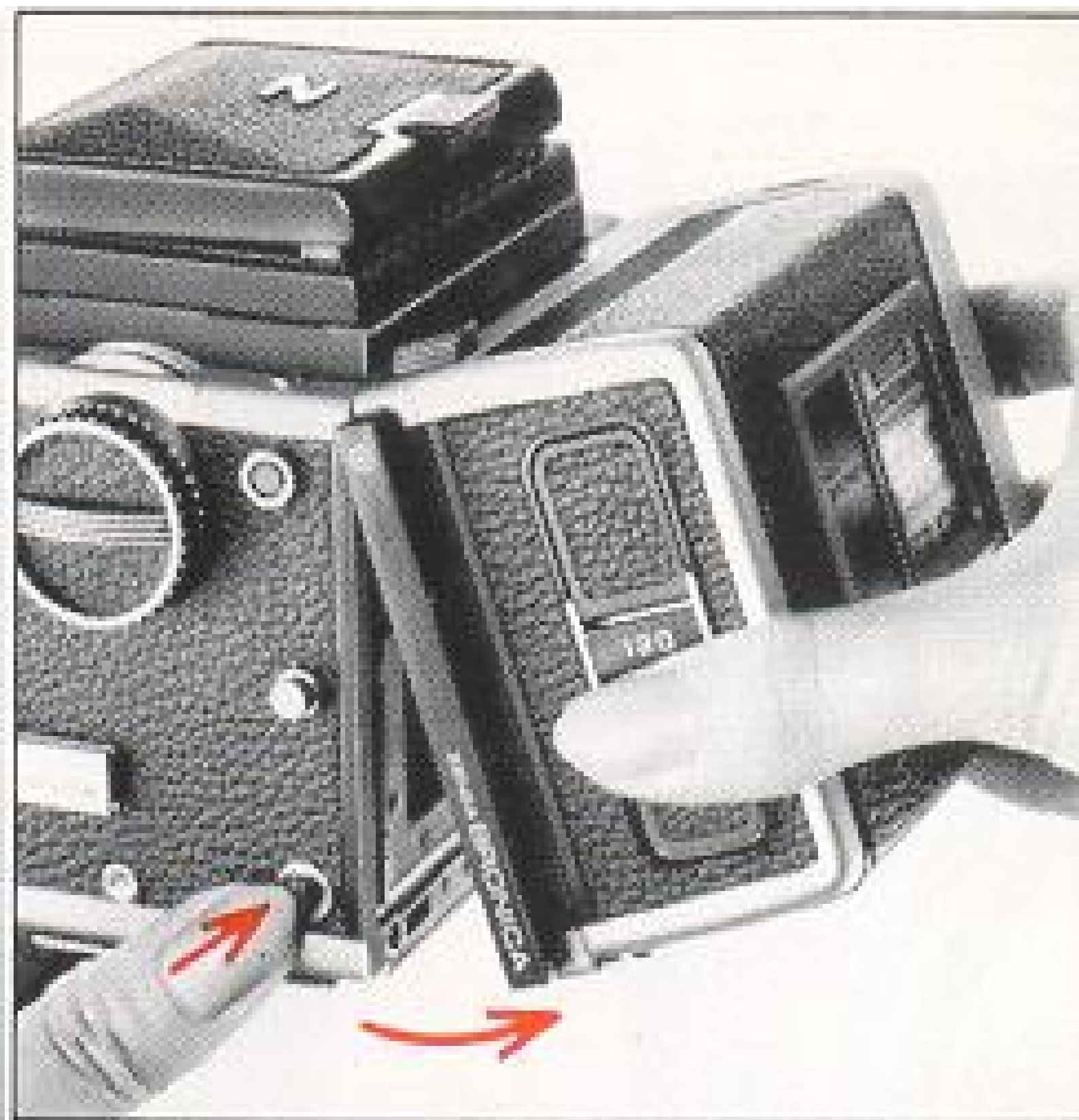




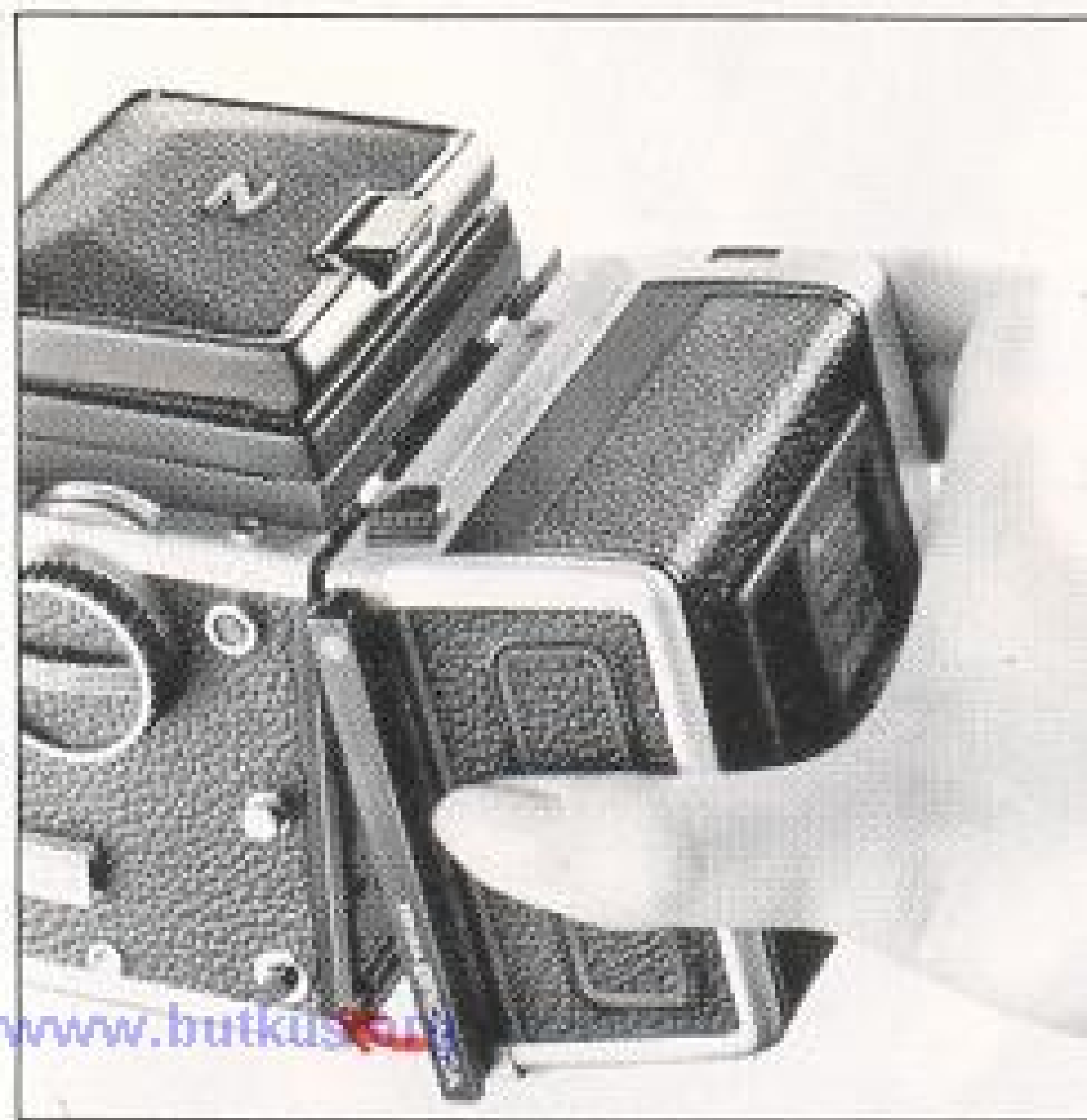


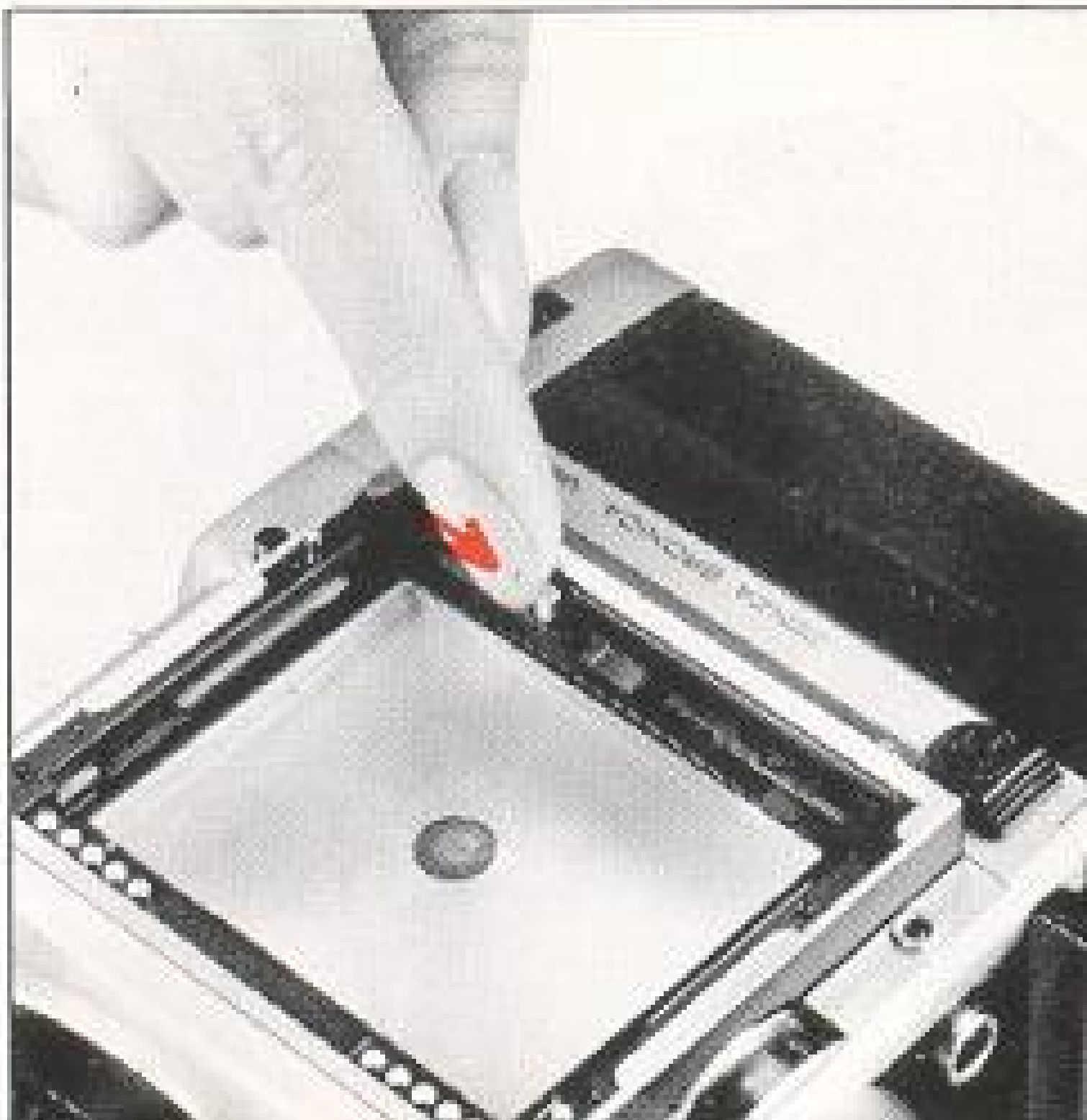








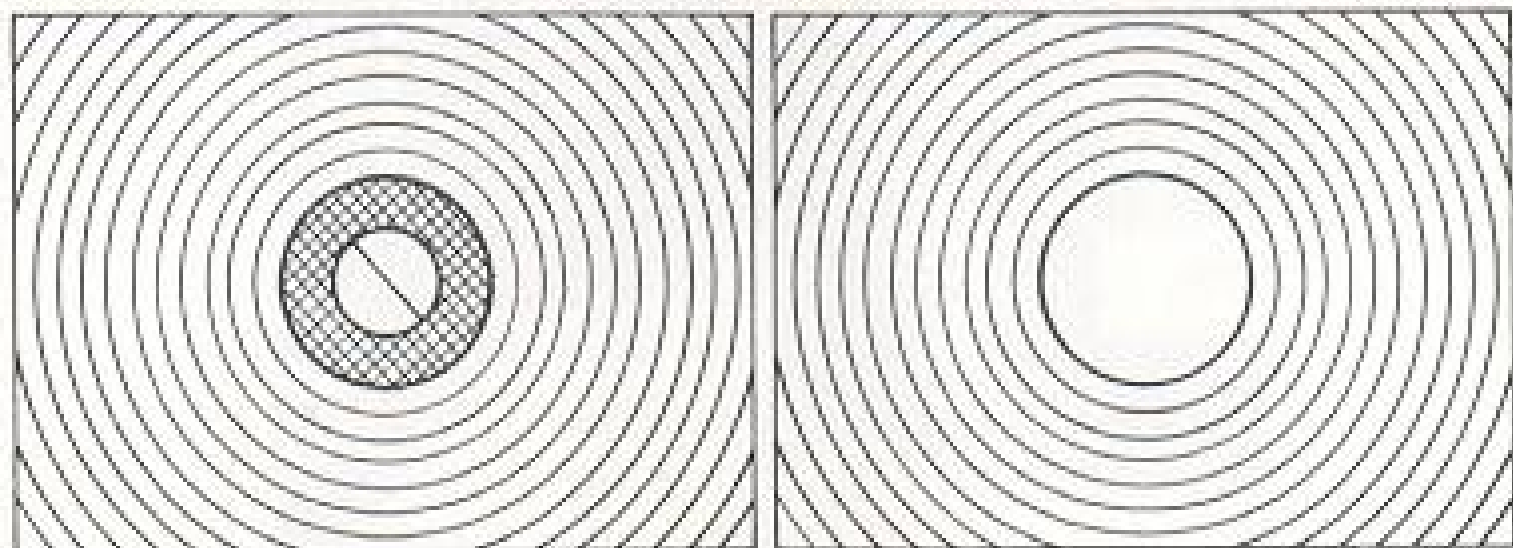


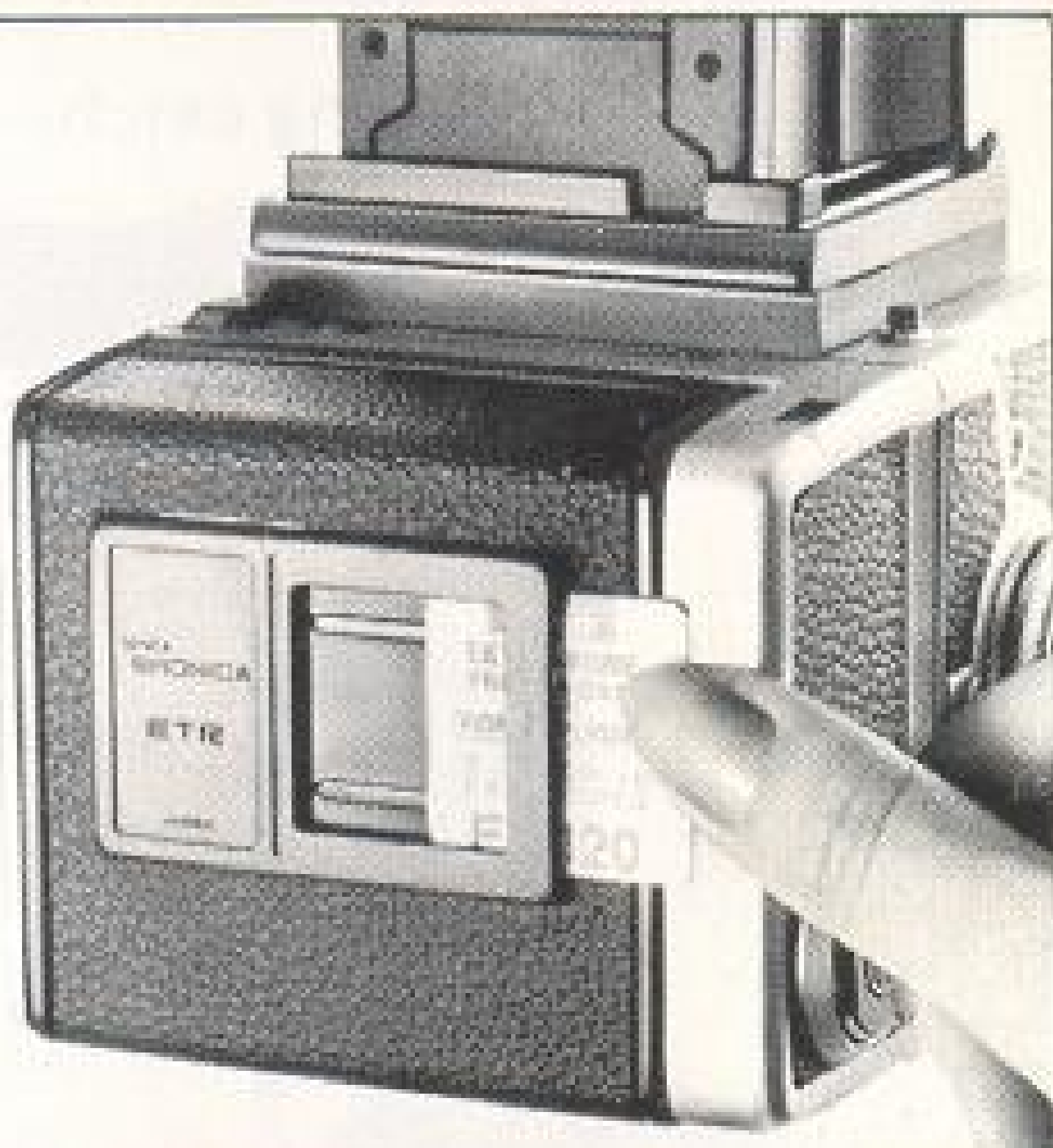






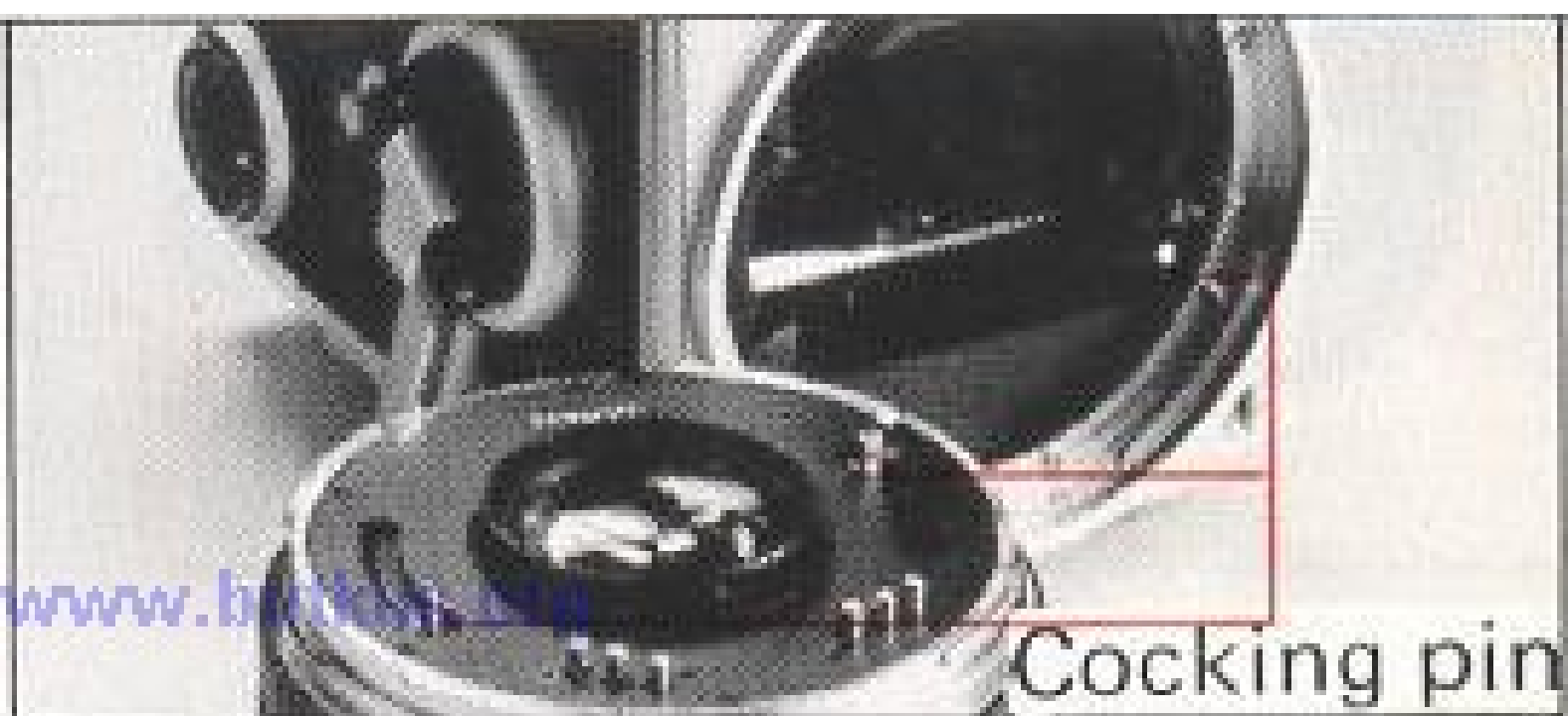


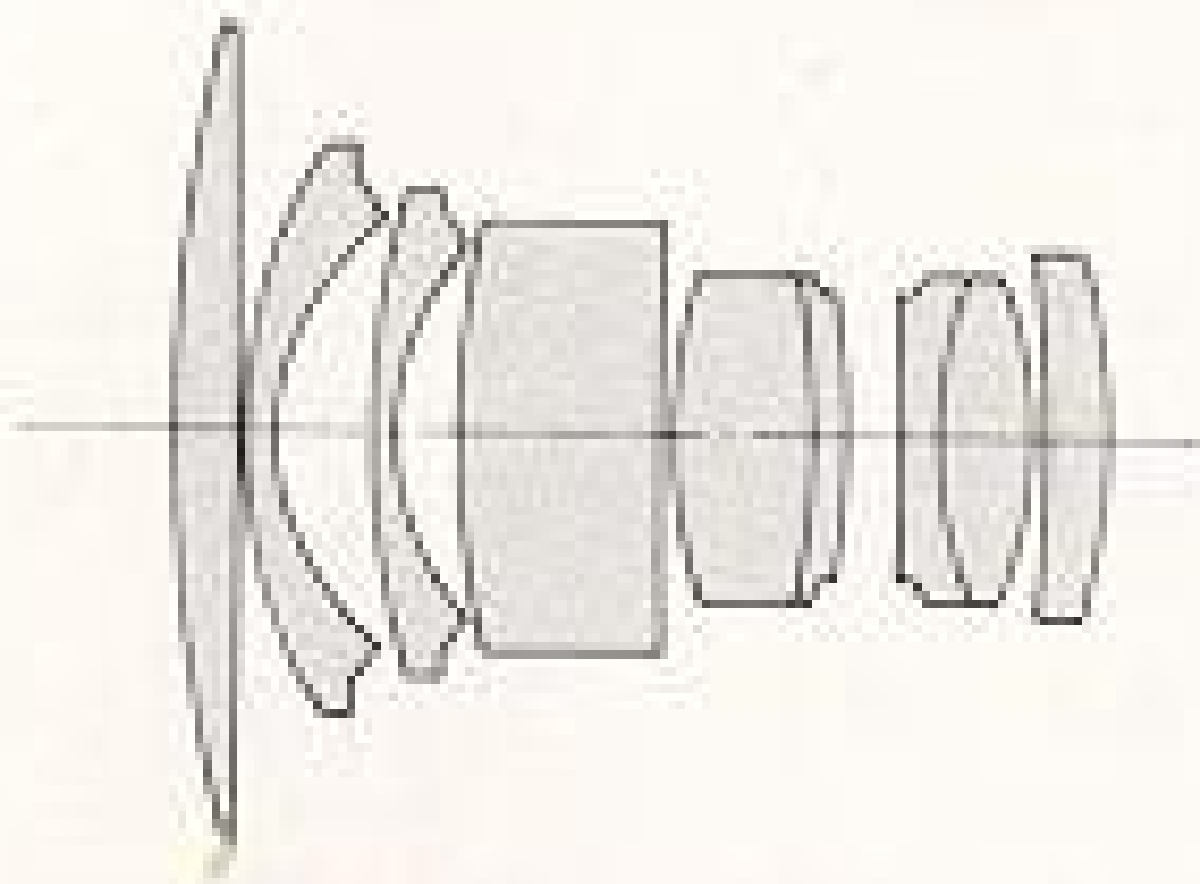




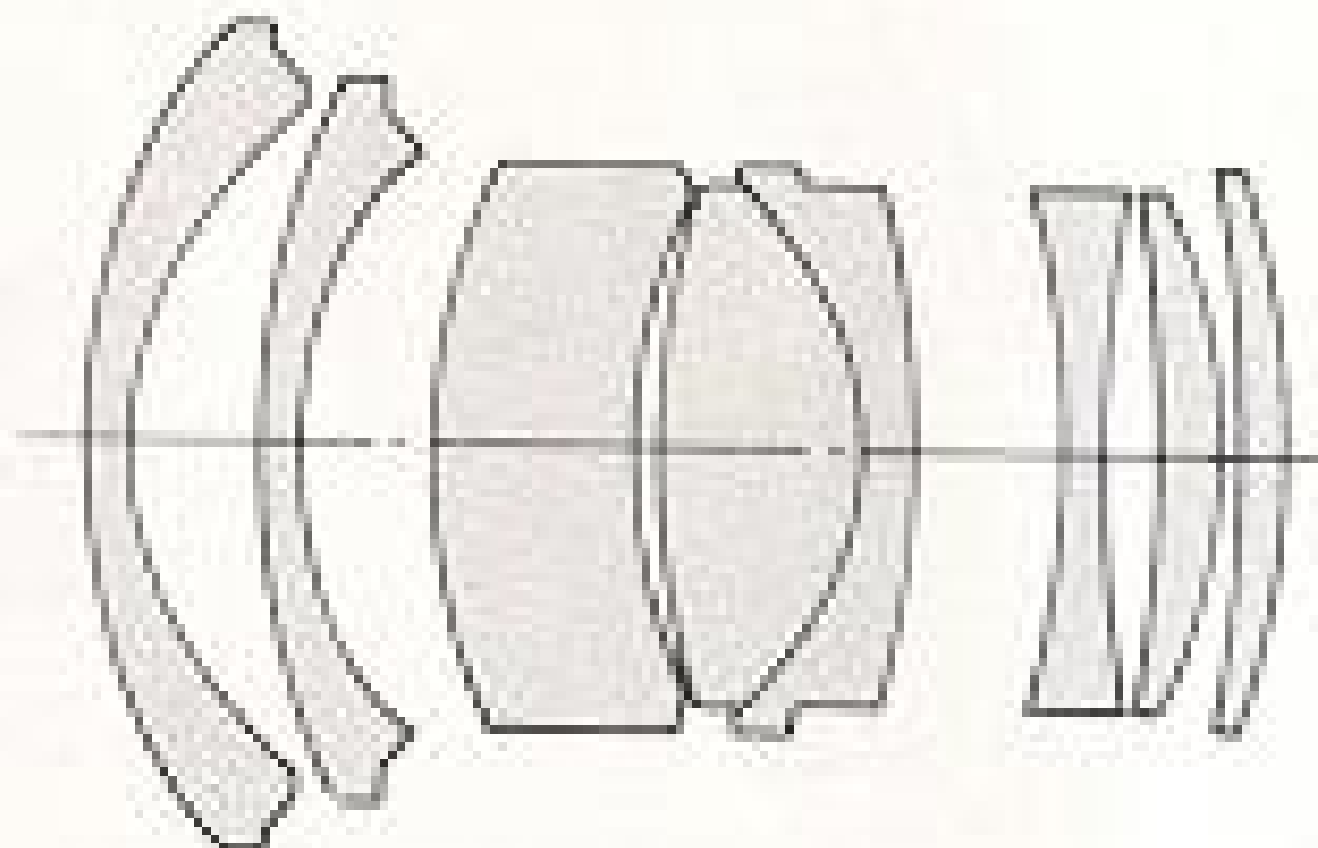


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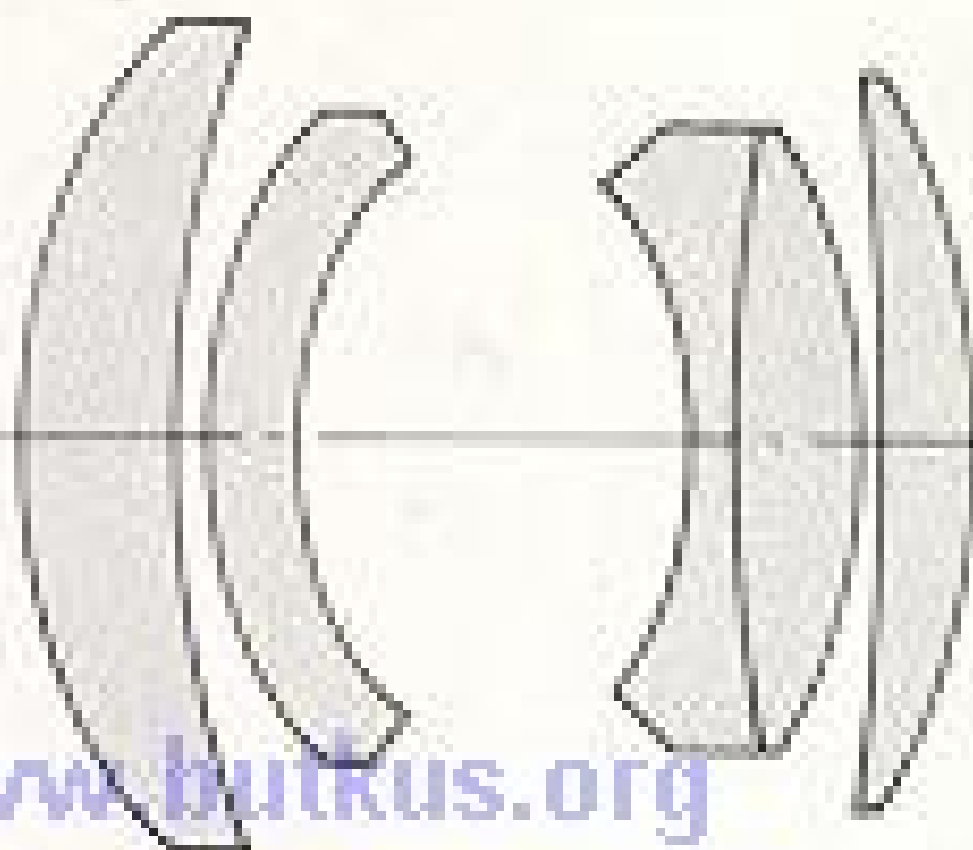


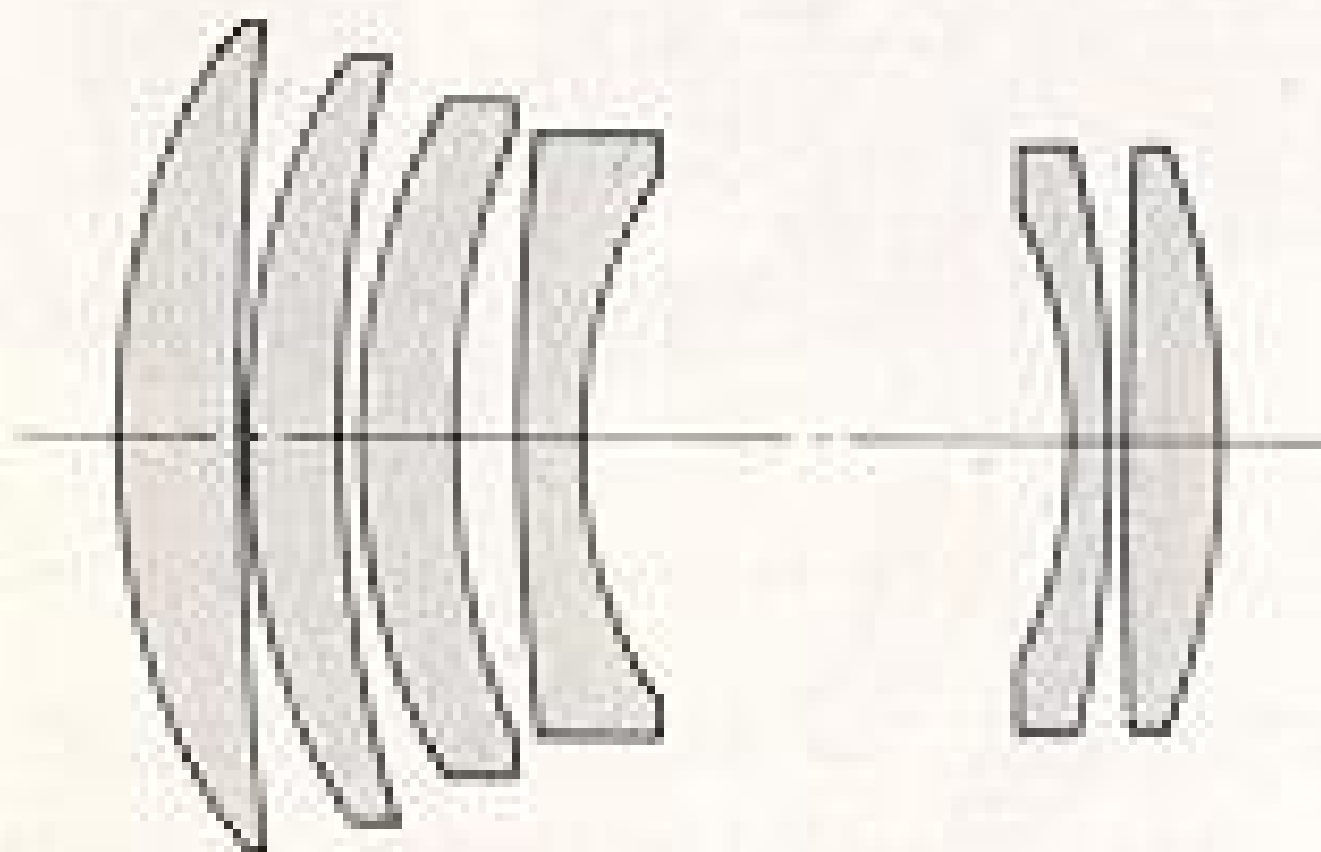












Zeiss Jena Biotar 150mm f/4



















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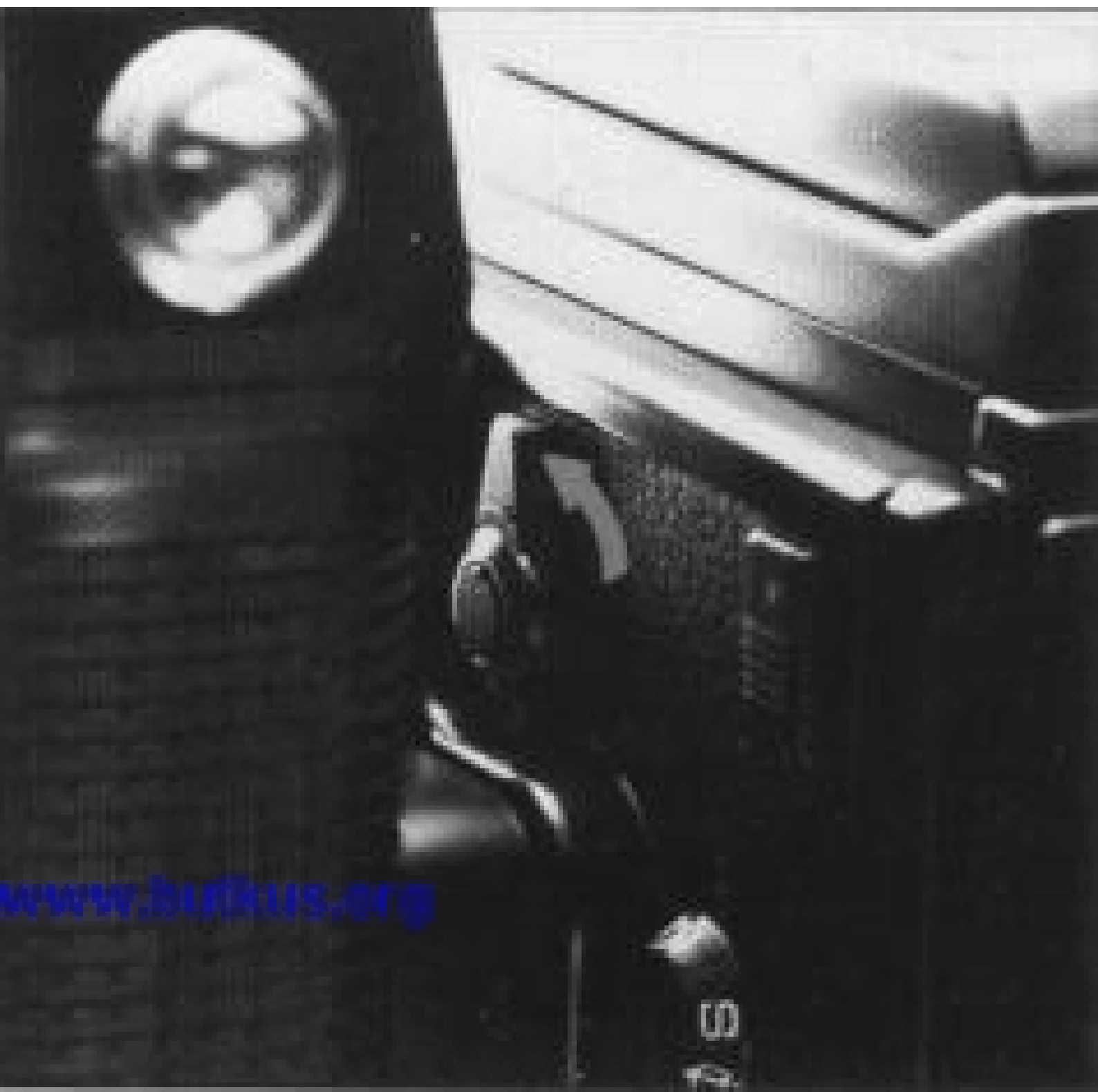
www.butkus.org







www.burkus.org





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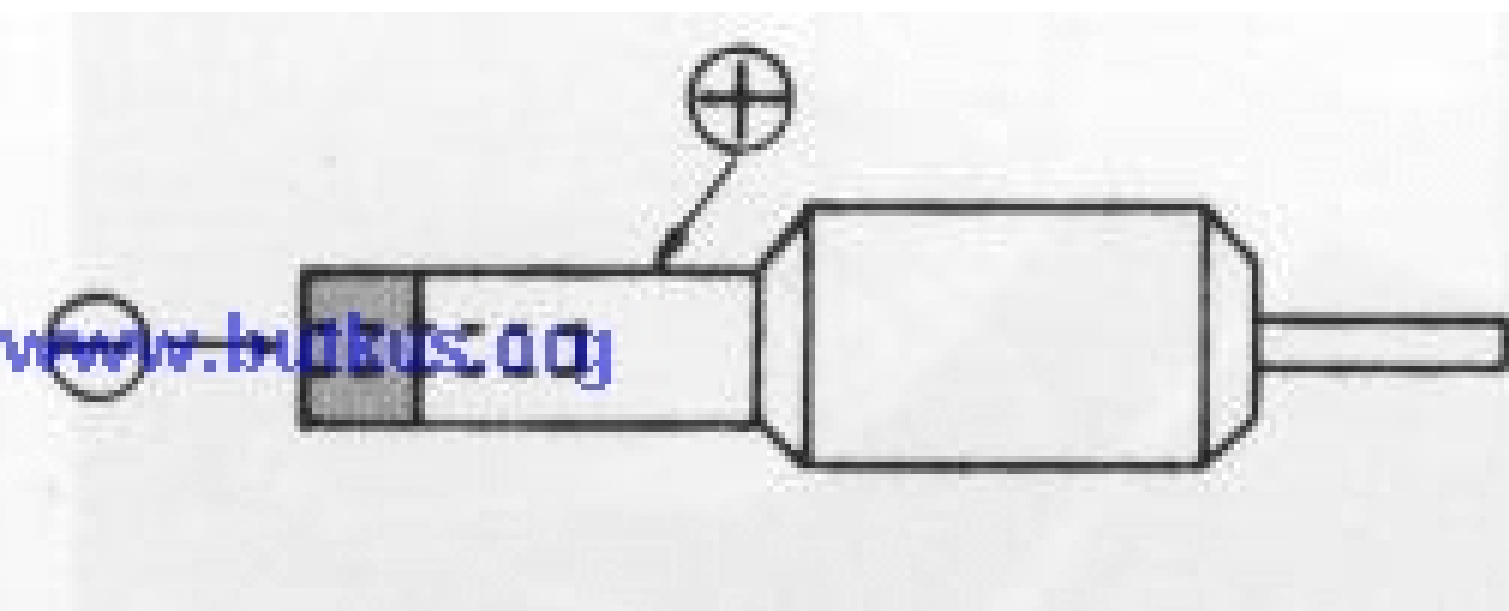
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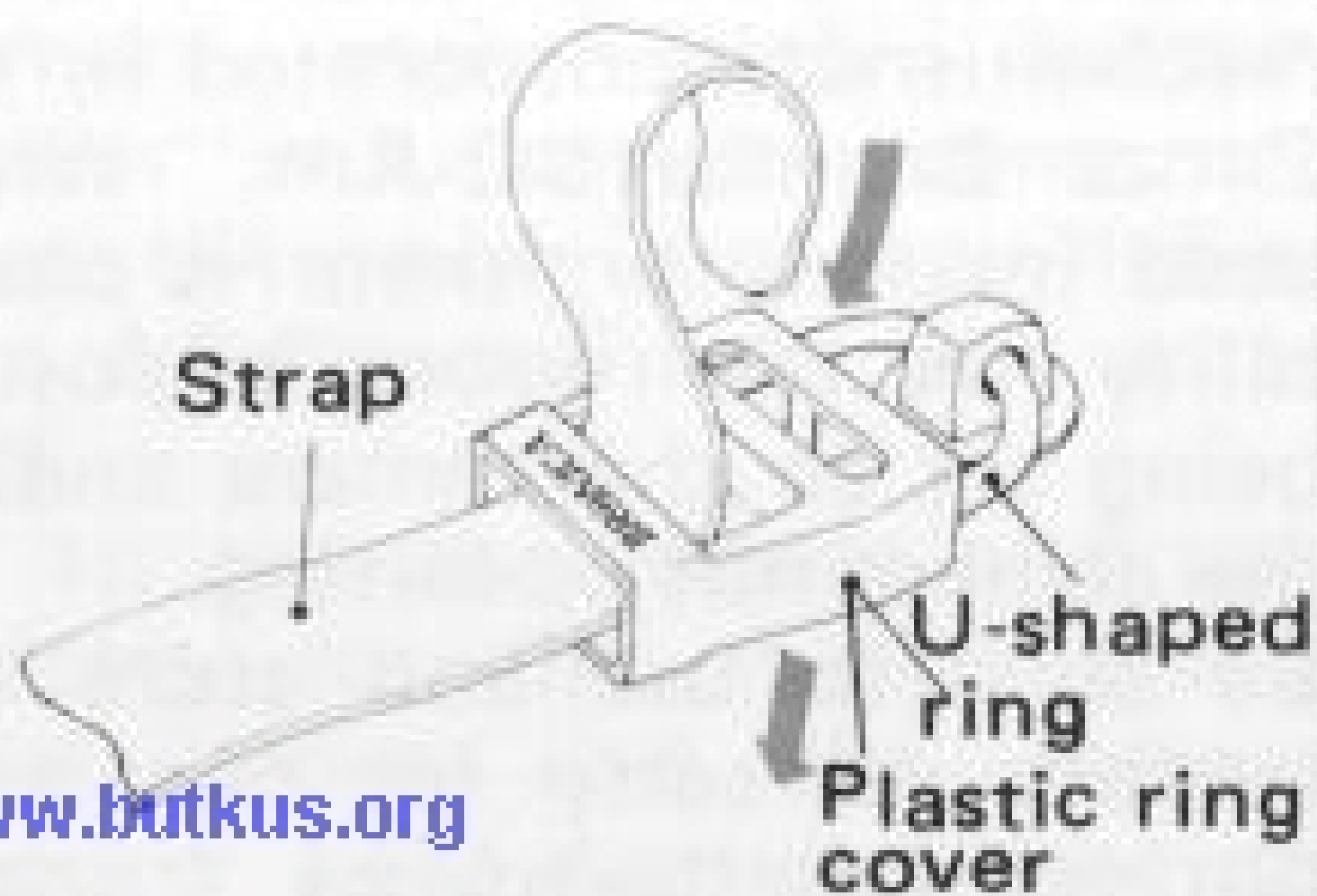
www.butkus.org

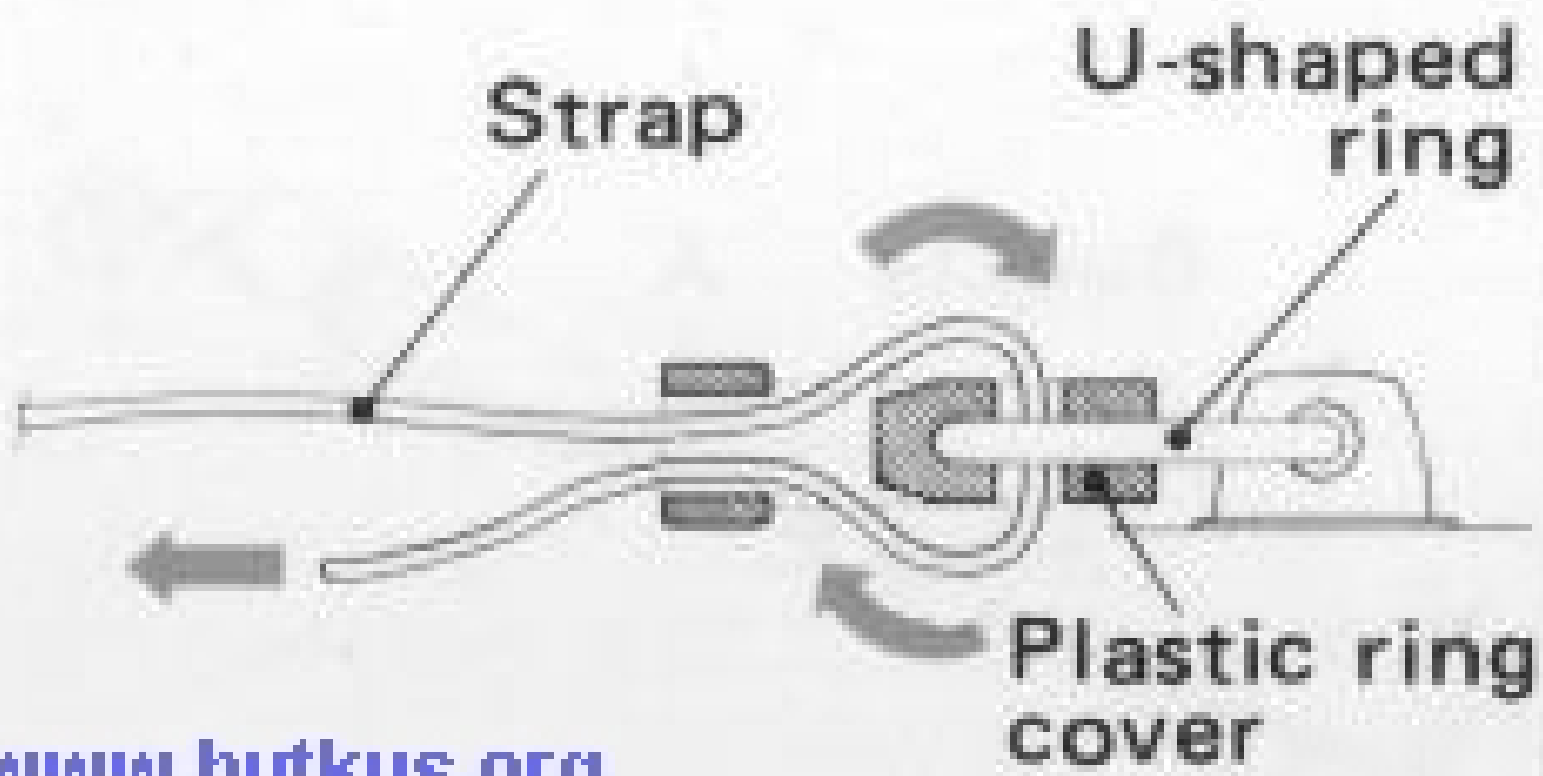


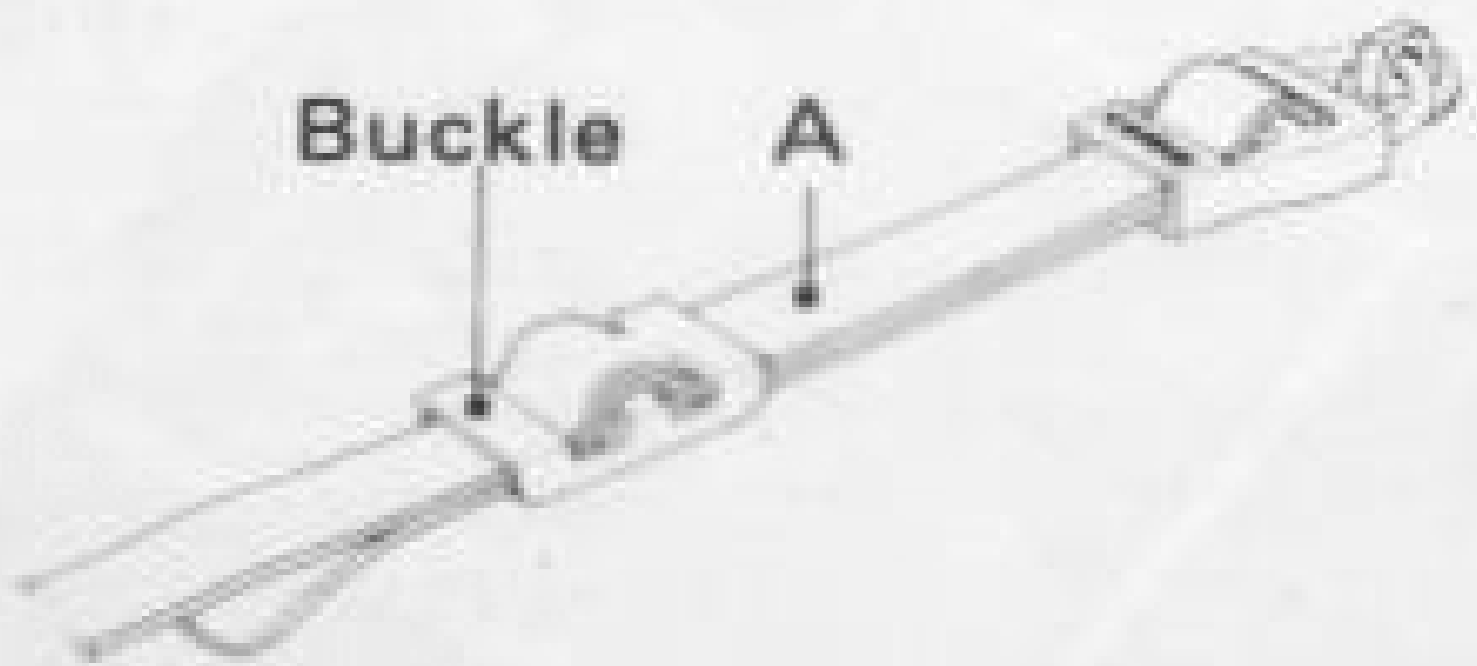
External Battery Pack S



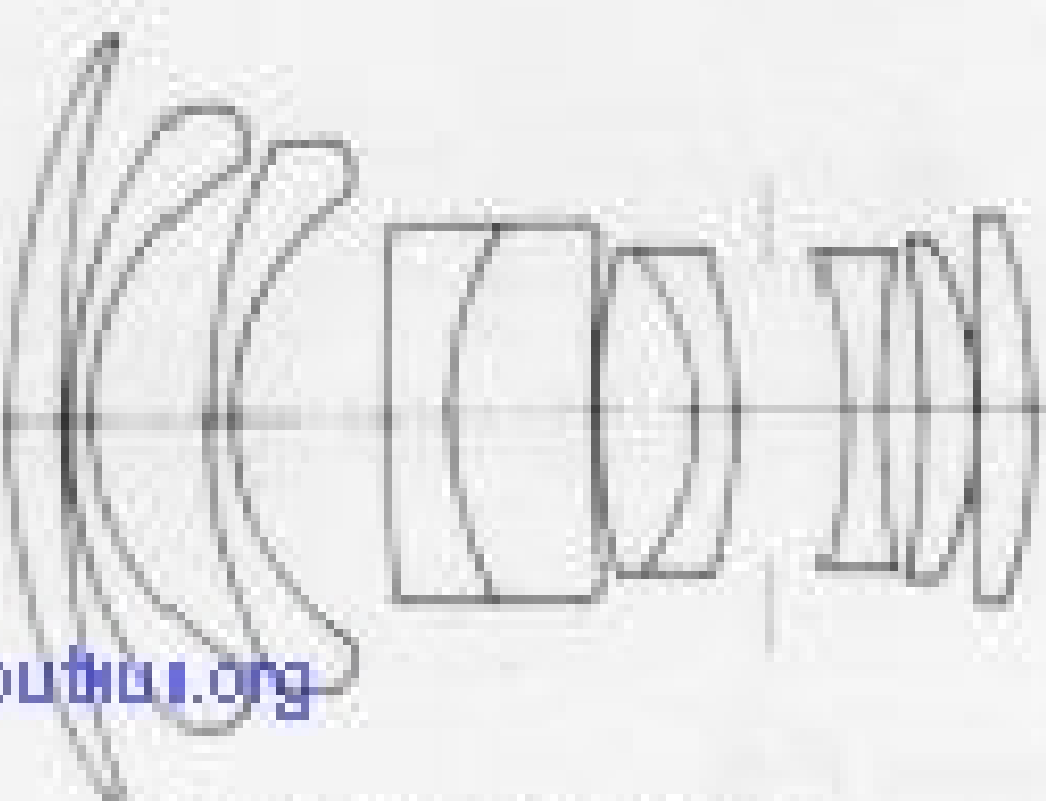






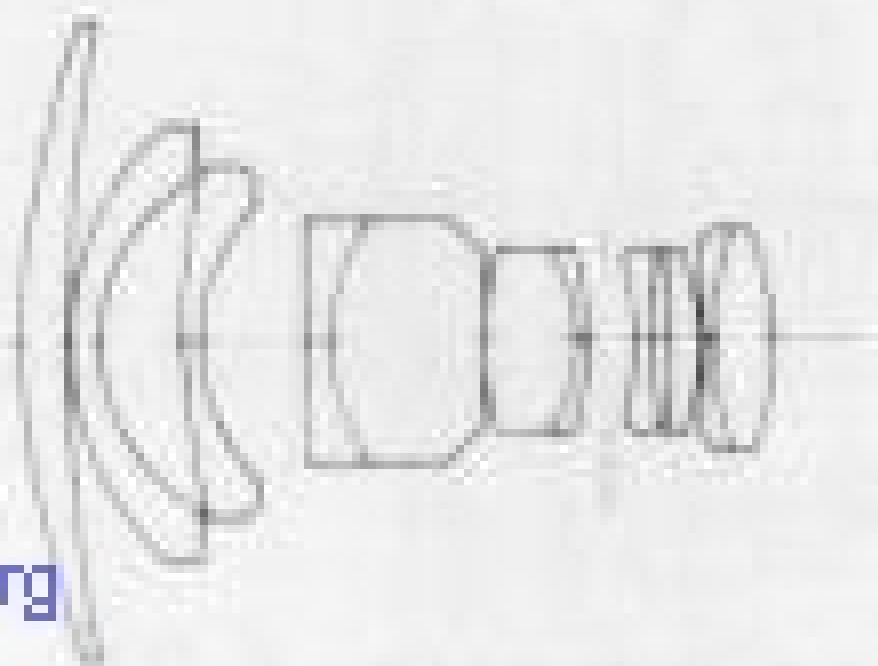


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50mm F3.5

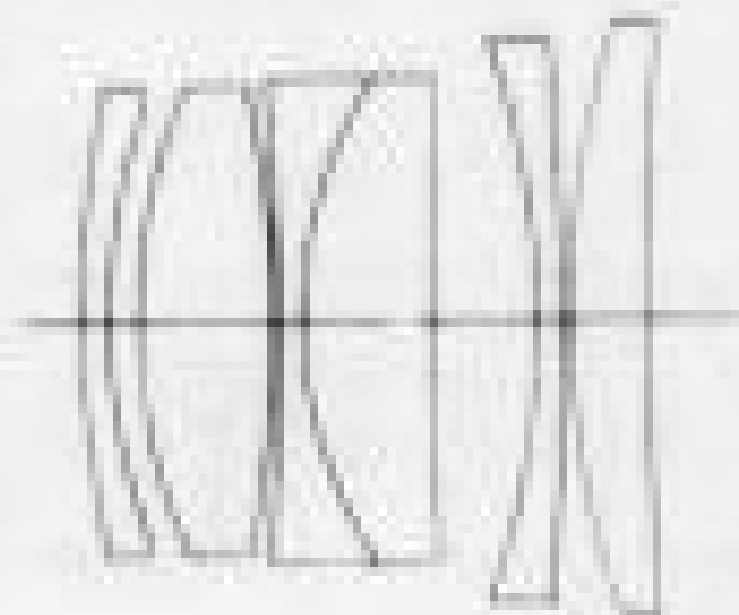


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40mm F4

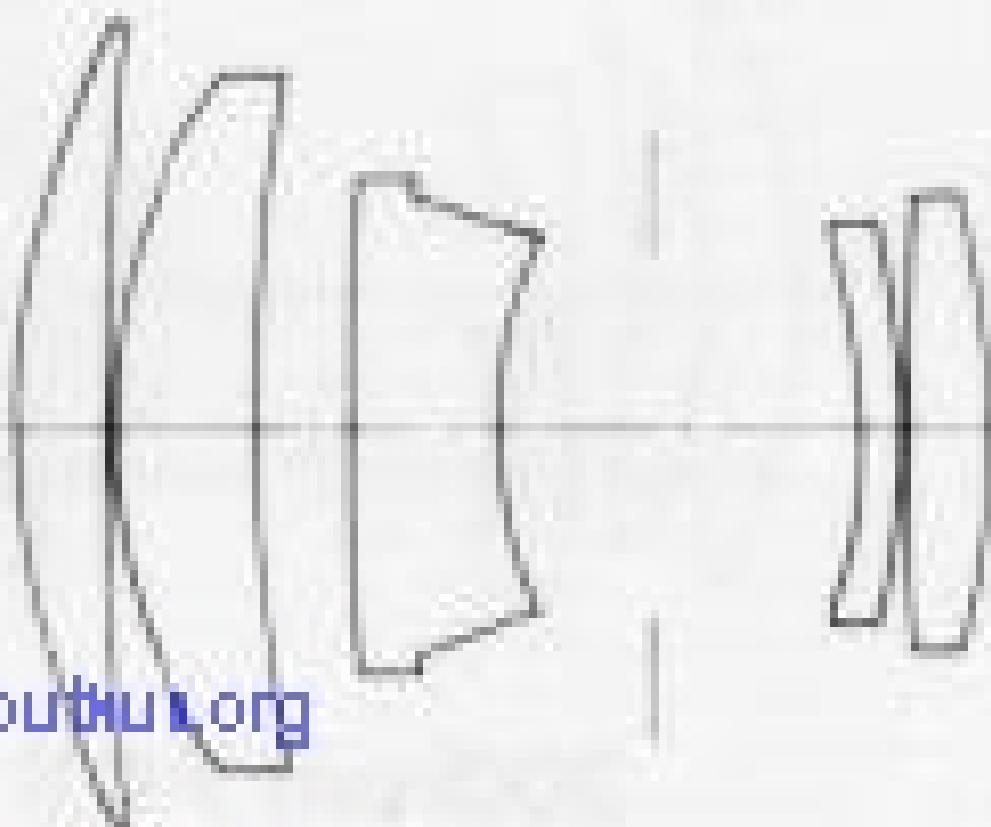
Cocking Pin





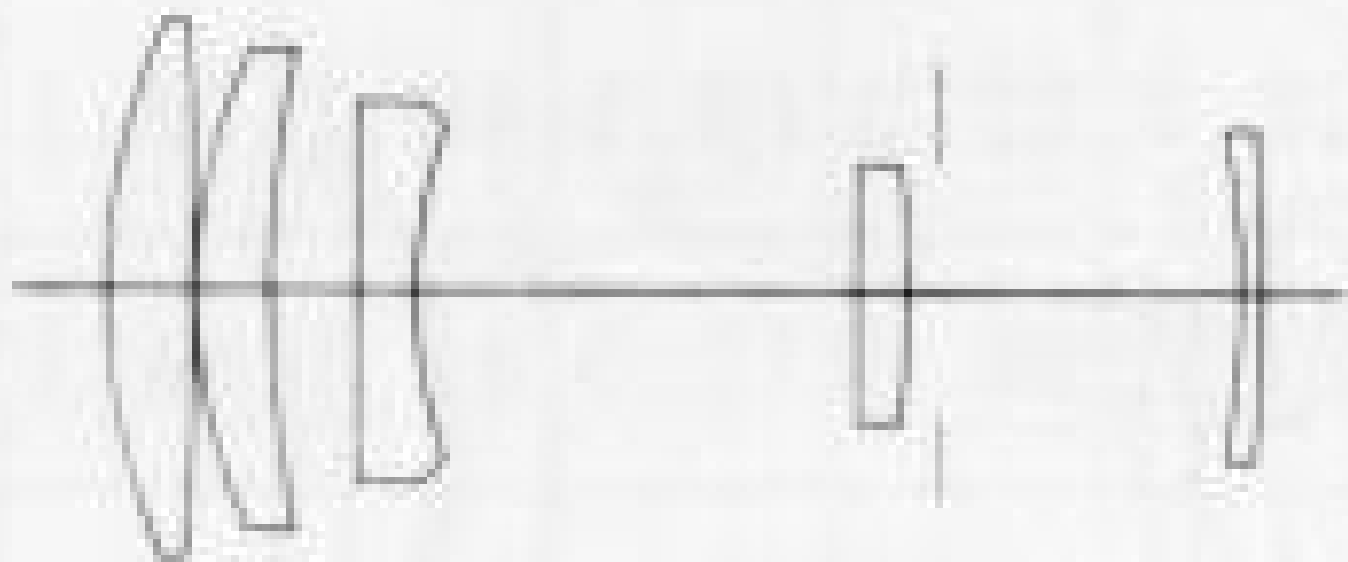
www.buthu.org

Tele-Converter S 2X



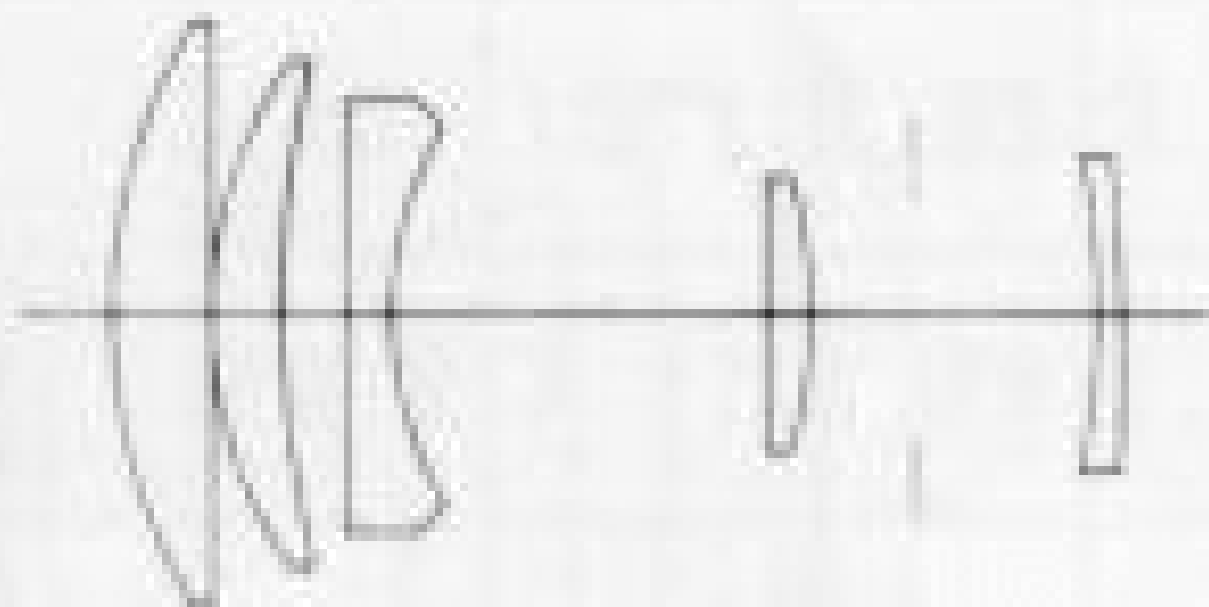
www.butku.org

150mm F3.5



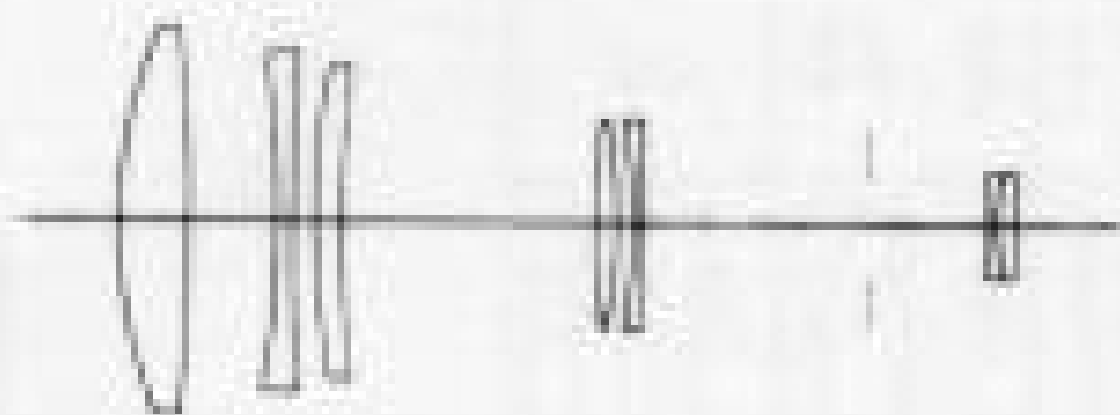
www.butkus.org

250mm F5.6



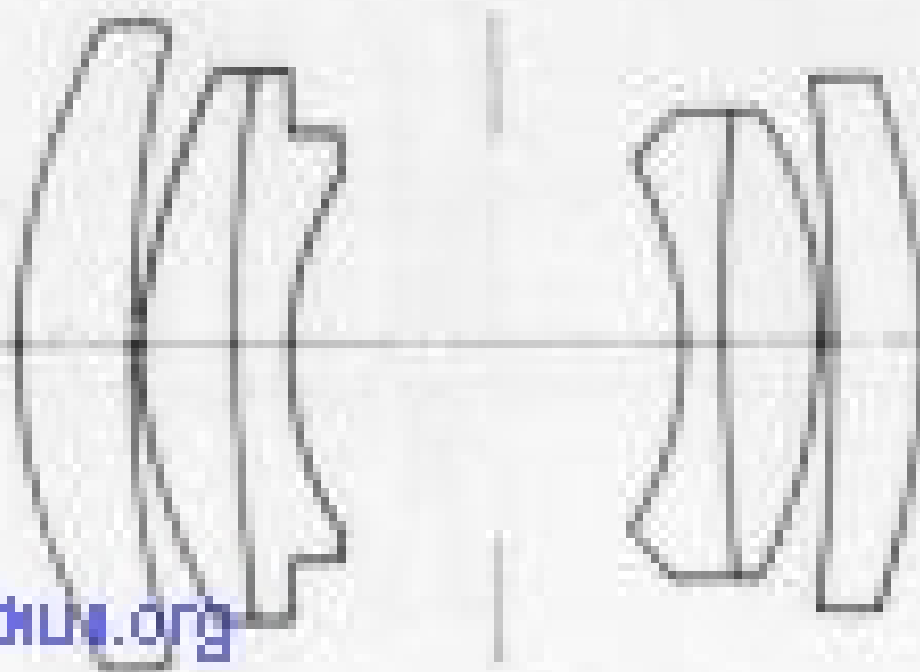
www.butkus.org

200mm F4.5



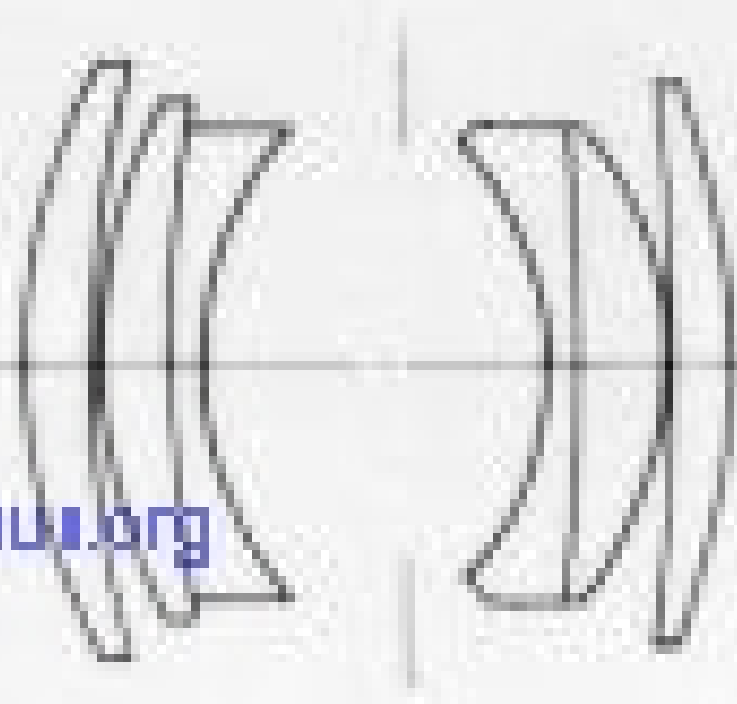
www.butkus.org

500mm F8



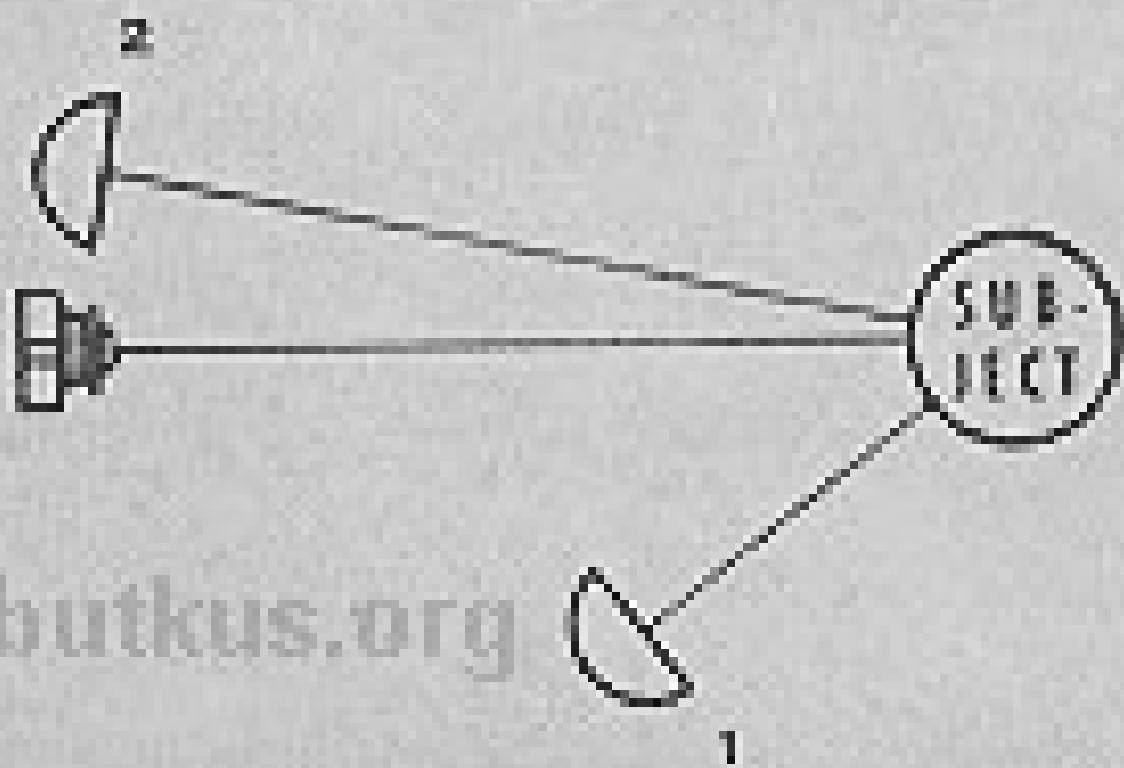
www.butkun.org

105mm F3.5

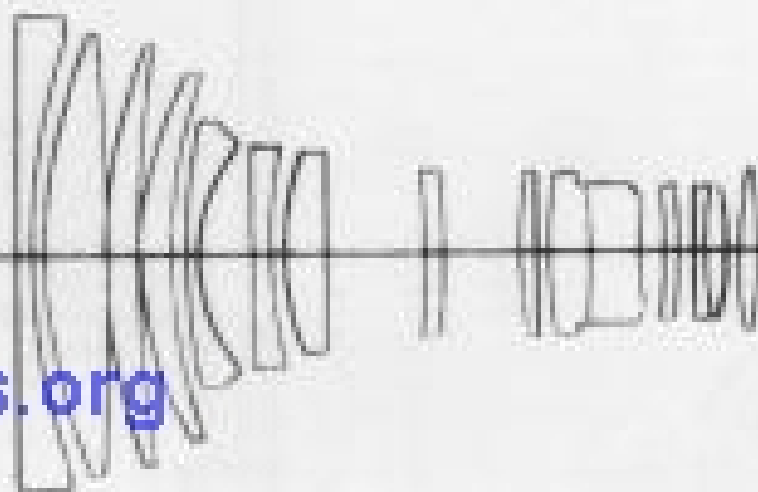


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90mm F2.8

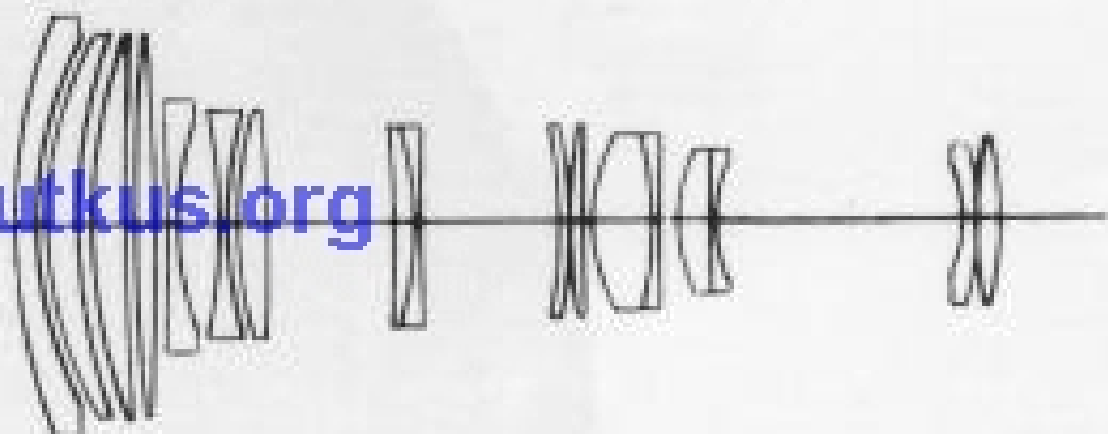






















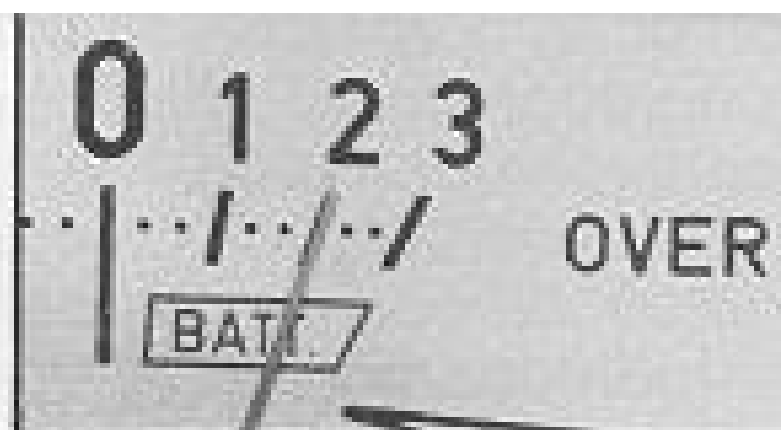
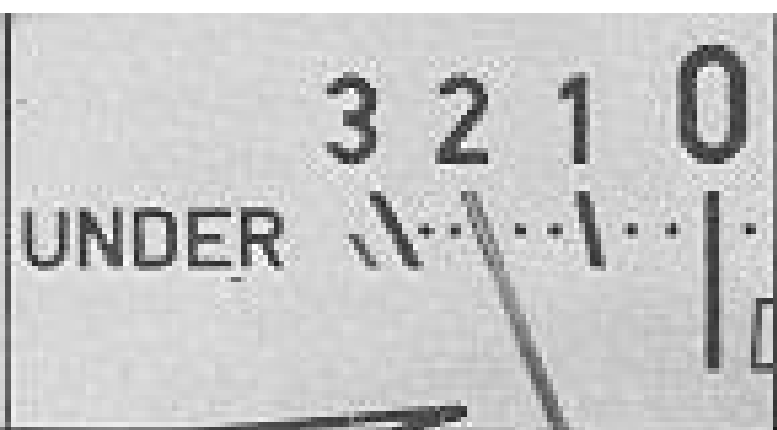


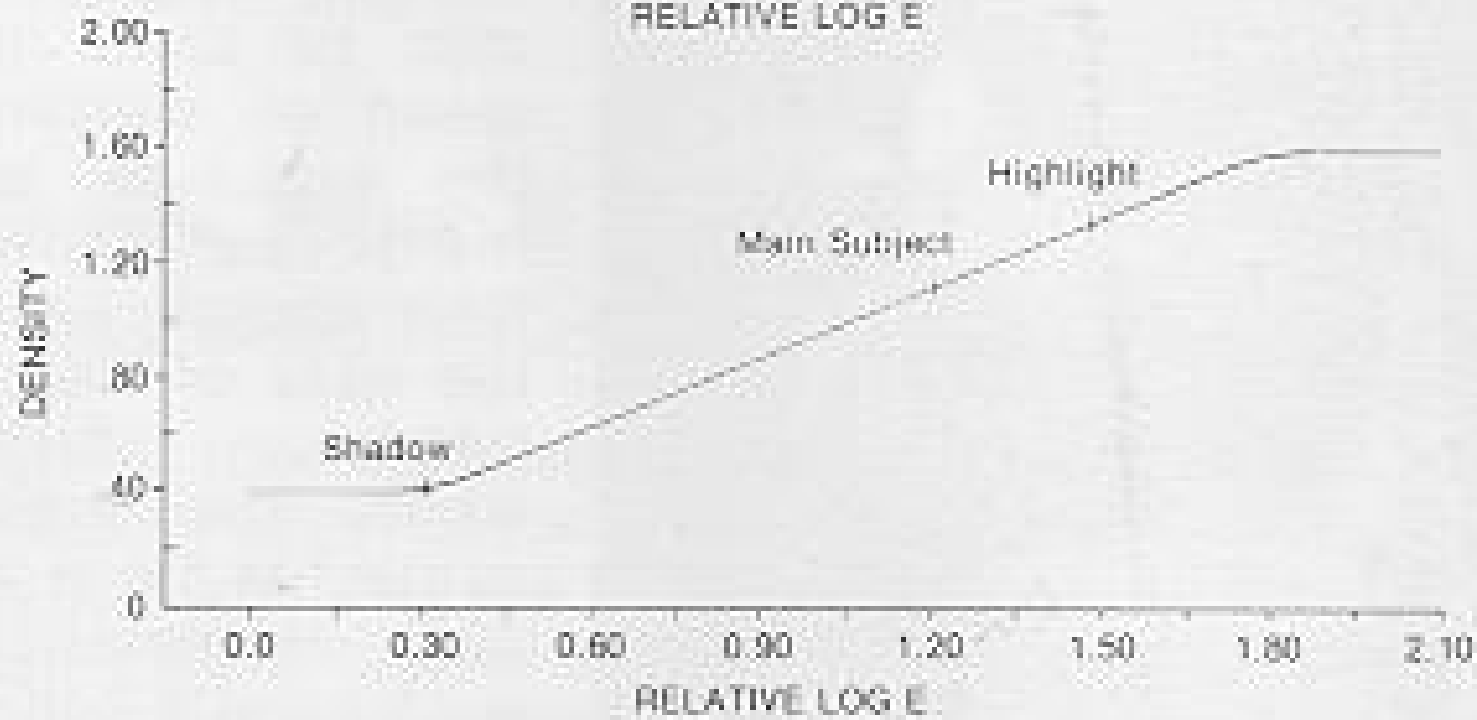
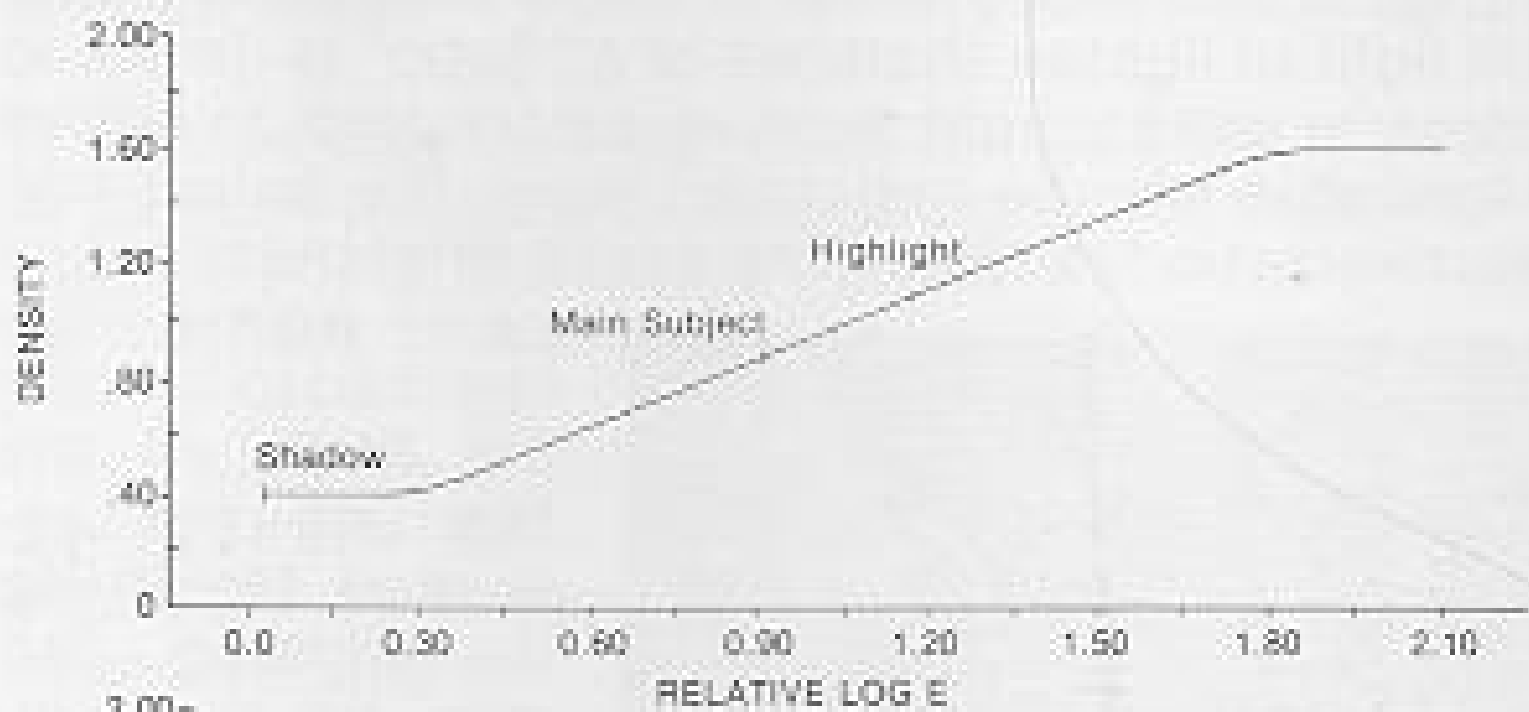
the viking ever

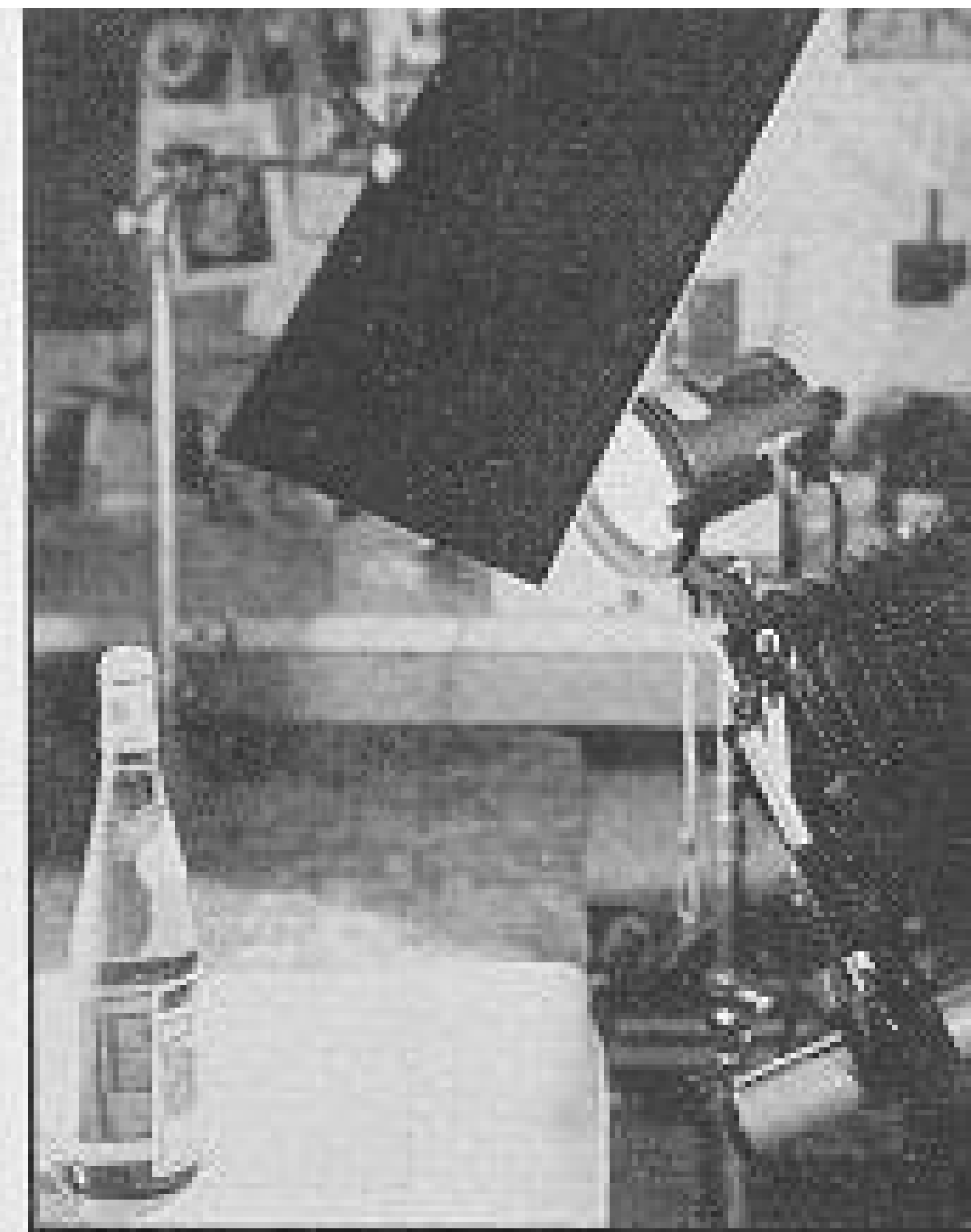
3 2 1 0
UNDER | · · | · · | · · | · · |

0 1 2 3
· | · · | · · | · · | · · |
BATT. / OVER









EXPOSURE GUIDE

<i>Lamp</i>	<i>Shut- ter Speed</i>	<i>Su- preme</i>	<i>Super- pan Press</i>	<i>Ansco Color Day- light</i>	<i>Tung- sten</i>
SM, SF	B-1/50	63	100	—	40**
5, 25	B-1/25	120	190	45†	75*
11, 40	B-1/25	170	270	—	105*
2, 22	B-1/25	200	320	75‡	125*

†Use blue bulbs with Ansco Color, Daylight Type (5B, 25B, 2B, 22B)

*Use UV17 filter

**Use UV15 filter

Note: High speed electronic flash may be used at all shutter speeds.

Reading difference
between flash and
ambient readings

Modification of f/stop setting
(fractions of f/stops)
with camera shutter speed setting:

1/25 — 1/30

1/50 — 1/60

1/200 — 1/250

1/400 — 1/500

close down

close down

open up

open up

1 stop

1

1/2

1/3

2/3

2 stops

2/3

1/3

1/6

1/3

3 stops

1/3

1/6

1/10

1/6

4 stops

1/4

1/10

0

1/10

5 stops

1/10

0

0

0

$$(\sqrt{2}) \cdot 25 = (1.414) \cdot 25 = 1.09$$

Next multiply by 4 times 1.09

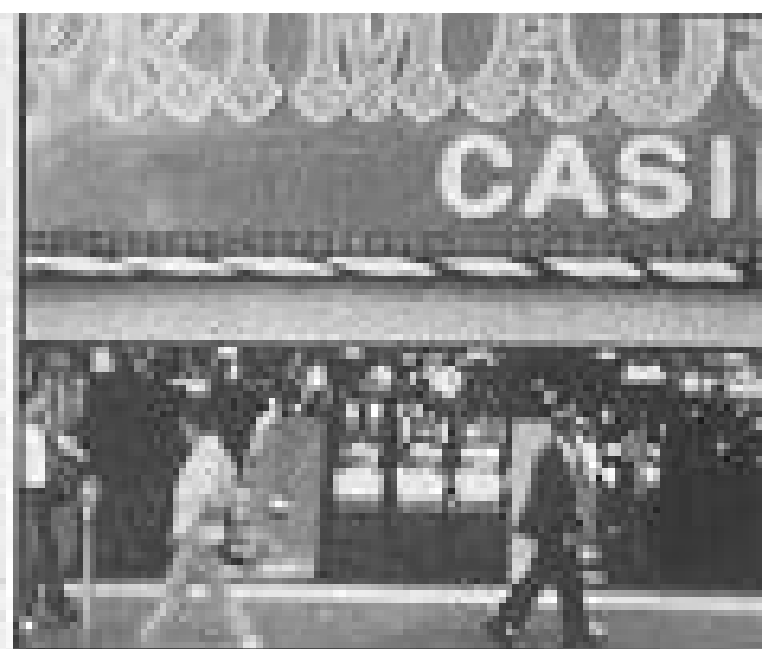
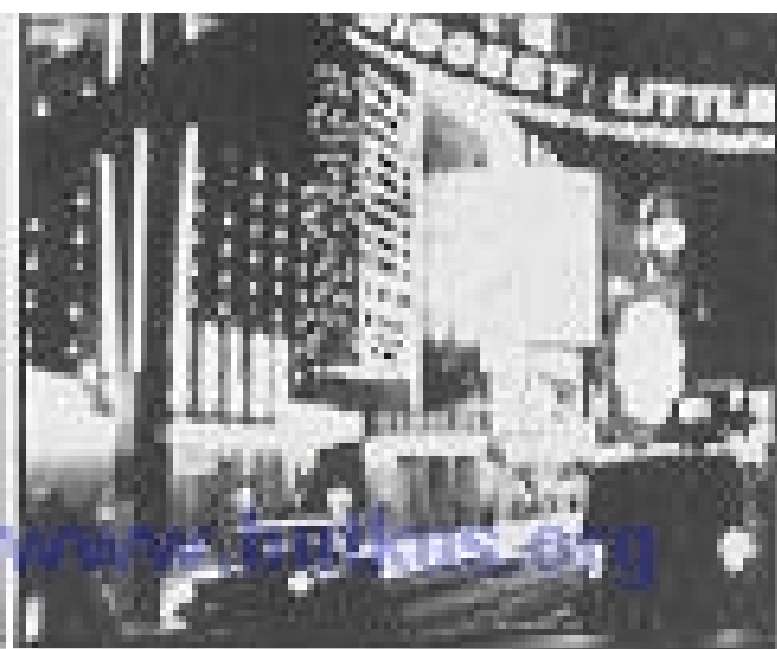
$$(4) (1.09) = 4.36$$

Your new f/stop is approximately 4.4.









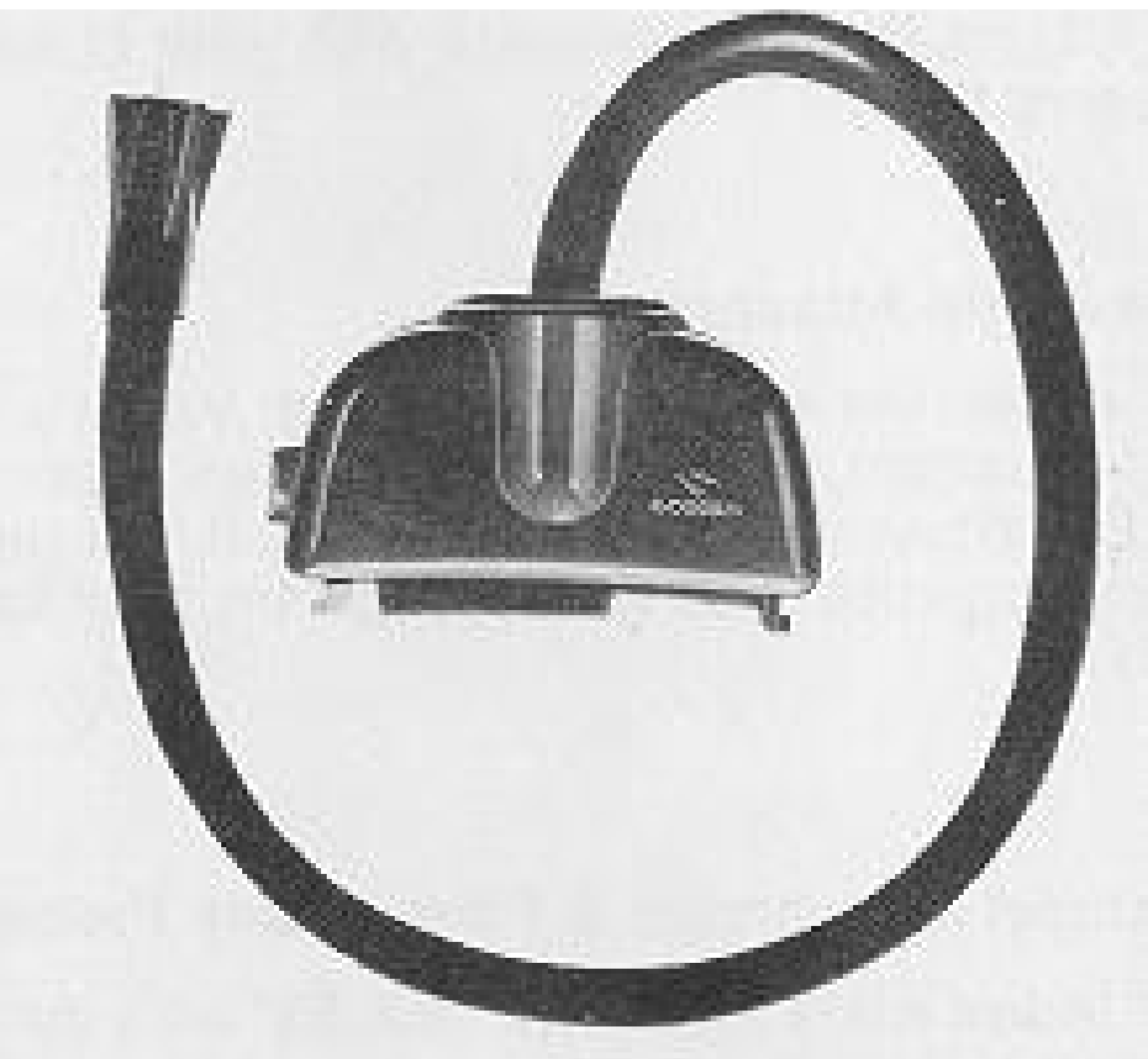
14"

$$\text{Effective Aperture} = \frac{(14)(11)}{8}$$

$$= \frac{154}{8}$$

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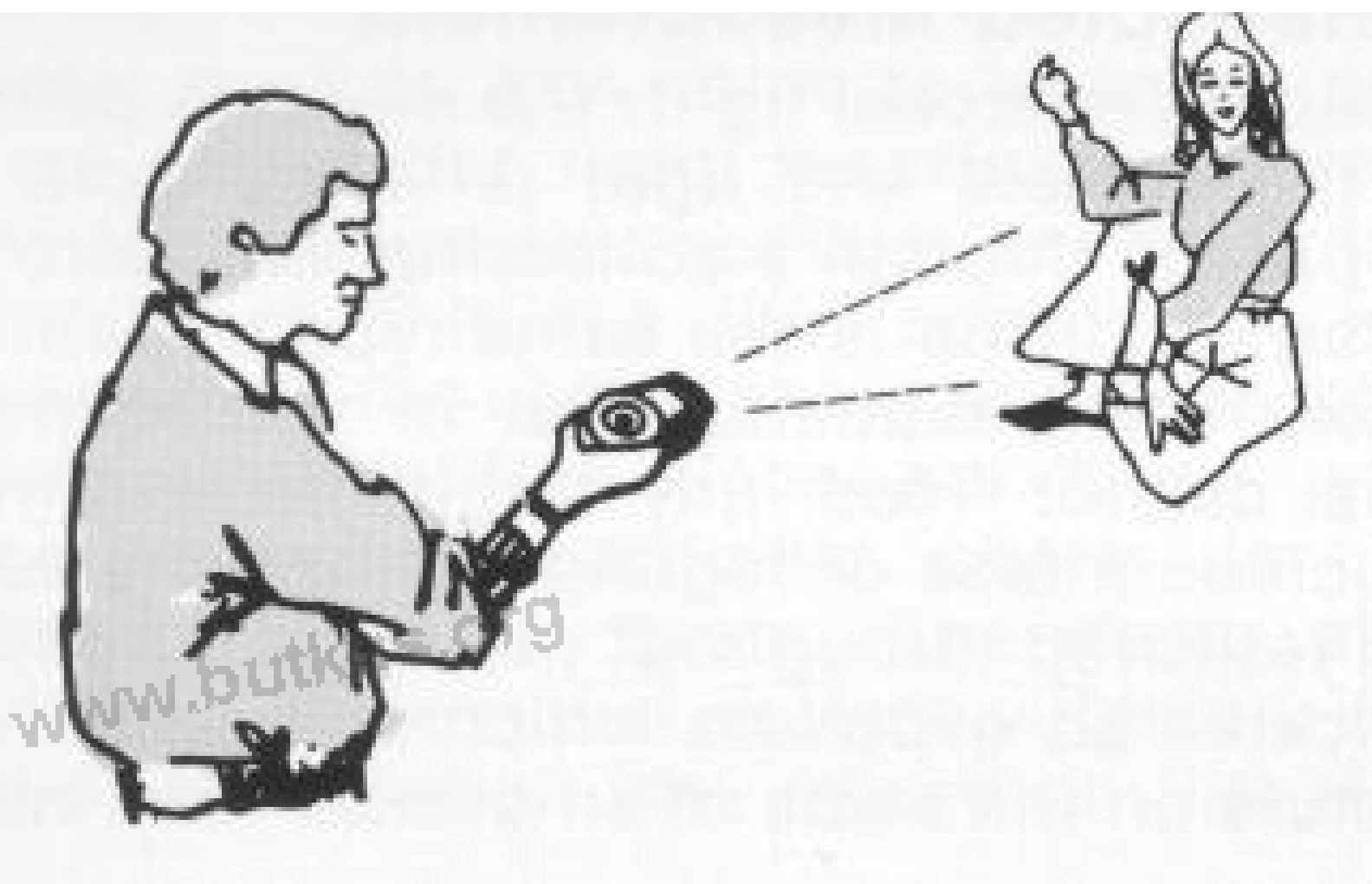
$$= 19.3 \text{ or approximately } 20$$







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Proper metering aids in recording all detail of a scene.

