

EXAKTA

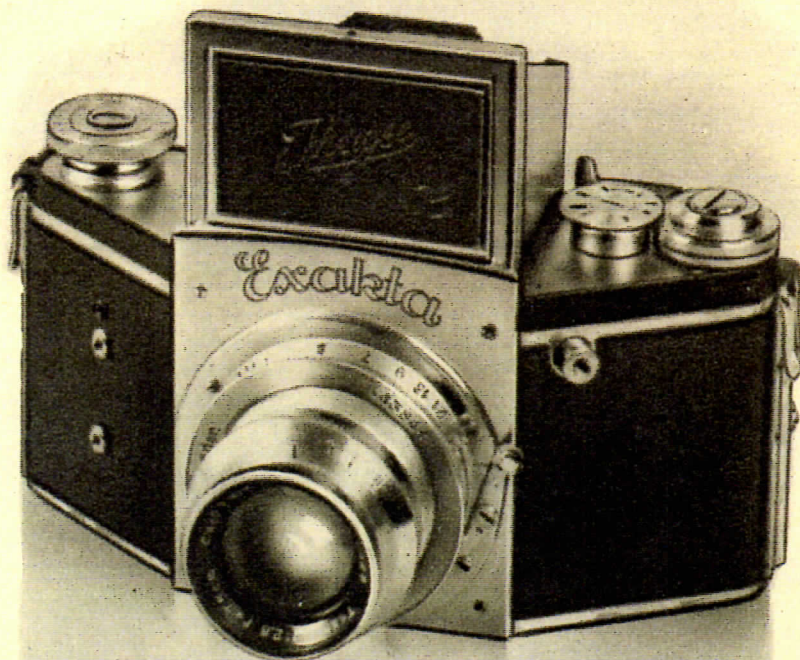
all over the world



DRESDEN-STRIESEN 152

Distributors for Great Britain: Garner & Jones, Ltd.
Polebrook House, Golden Square, London W1

E. I.



Standard - Exakta: taking V. P. pictures ($2\frac{1}{2} \times 1\frac{5}{8}$ ")

EXAKTA

Two single-lens reflex cameras



Kine-Exakta:
taking miniature pictures $1\frac{1}{2} \times 1$ " (24×36 mm)

IHAGEE CAMERA WORKS, DRESDEN

*Rapidity and assured success for
any kind of photographic work*



MR. WILL POTTER
HERLIN W 15
FAHRENSTR. 50
TEL. 02 08 04

January 14th, 1938

Inagee Werke,
Dresden.

CINE EXAKTA CAMERA

Gentlemen,
Before buying my Ciné Exakta Camera, I studied carefully the various makes of Miniature Cameras on the market, and decided that, for all-round work, the Ciné Exakta was the best.

Now that I have been working with it for six months. I have much pleasure in stating that this opinion has been amply confirmed by experience.

Whether the photographer is called upon to make photos of lovely scenery, sporting pictures, portraits, interiors or night work, the Ciné Exakta is the ideal camera because its wide lenses and its enormous range of speeds enable it to cover anything and everything.

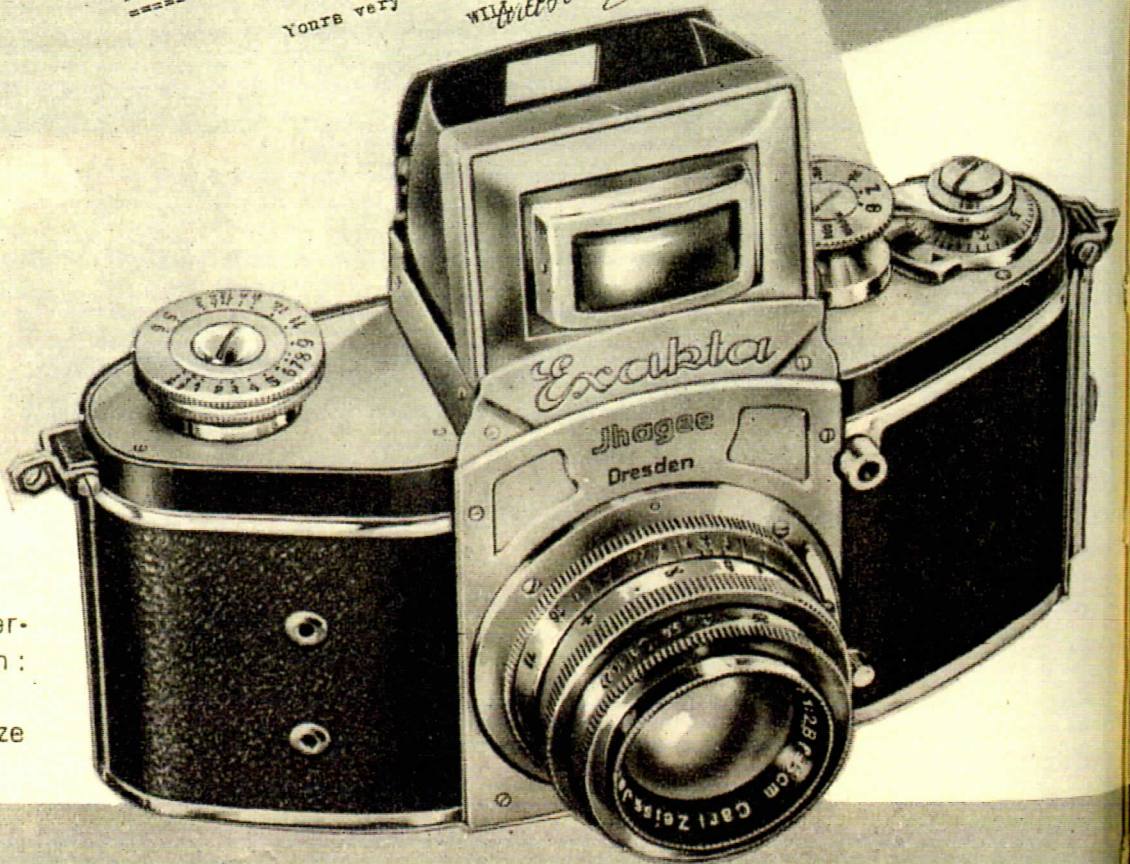
I have specially found it useful in doing copying work. It has been of very great use to me in my work to be able to copy without trouble or loss of time pages in books, diagrams, tables and illustrations.

It is no exaggeration to say that the Ciné Exakta is the

ROLLS ROYCE OF MINIATURE CAMERAS.

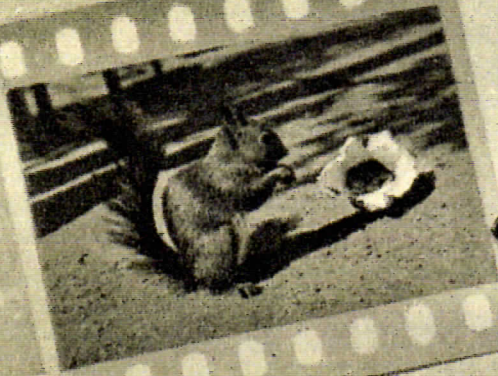
Yours very truly,

WILL POTTER



Kine-Exakta taking perforated cinema film:
36 exposures
in the 1½ × 1" size

A glance over the pages following will show the reasons for Mr. Potter's enthusiasm.

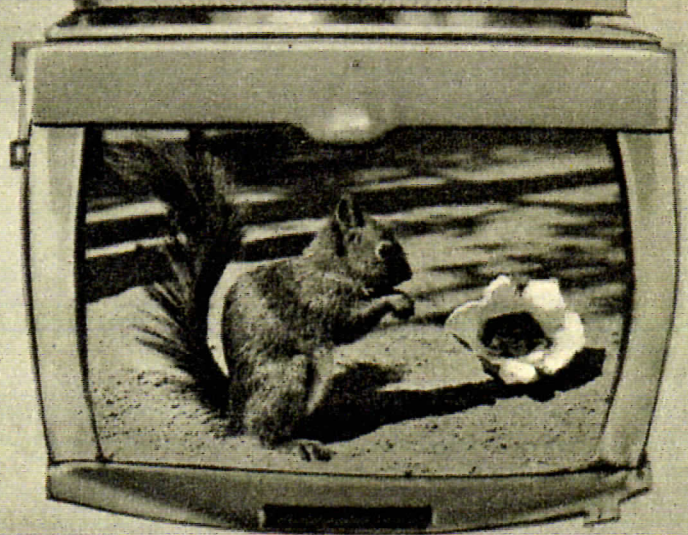


Actual negative size

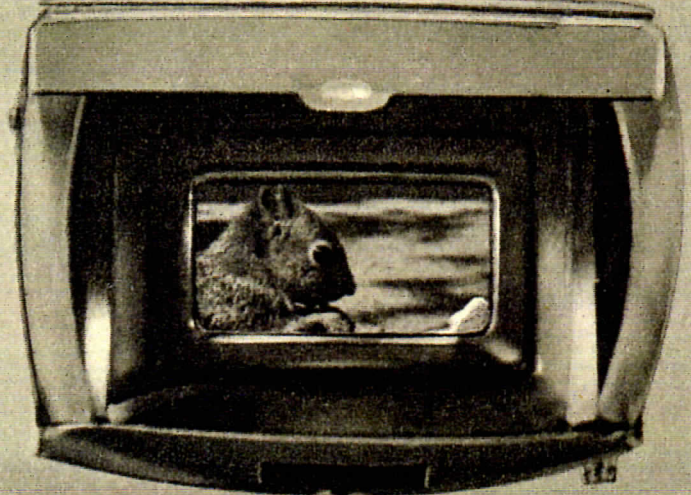
The **KINE-EXAKTA**

... is a single-lens reflex camera, the lens forming the image in the camera produces the focussing image on the ground-glass screen. Because of this fact, the ground glass shows an image that is always identical with that to be taken later by the camera, and one may focus on any object seen, observe depth of focus critically, and compose the scene, in full confidence that what appears there will be seen later on in the negative. To ensure reliability in focussing, the image seen is automatically enlarged by a magnifier, while a second supplementary magnifier is included in the front of the finder hood, by means of which the central portion of the image can be viewed in still greater enlargement. By such means, the greatest accuracy in focussing becomes quite simple, and negatives are produced which will stand almost any degree of enlargement. (The illustrations show the enlargement of the focussed image by the magnifiers.)

Another important point: The enlarged image seen is in its full colours, permitting an exact examination of the colour composition. For all those who are interested in colour work, the Kine-Exakta is the camera par excellence.



Approximate size of normal focussing image on ground glass



The effect of the supplementary magnifier

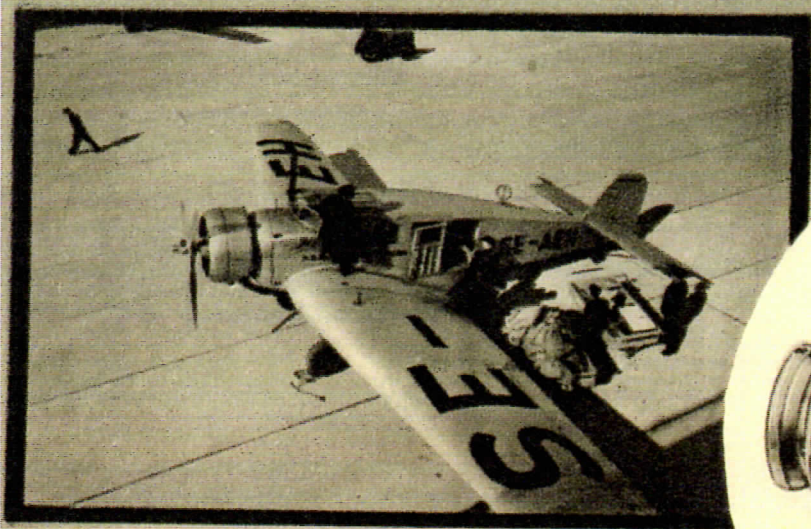
Thagee
CAMERA WORKS
STEENBERGEN & CO



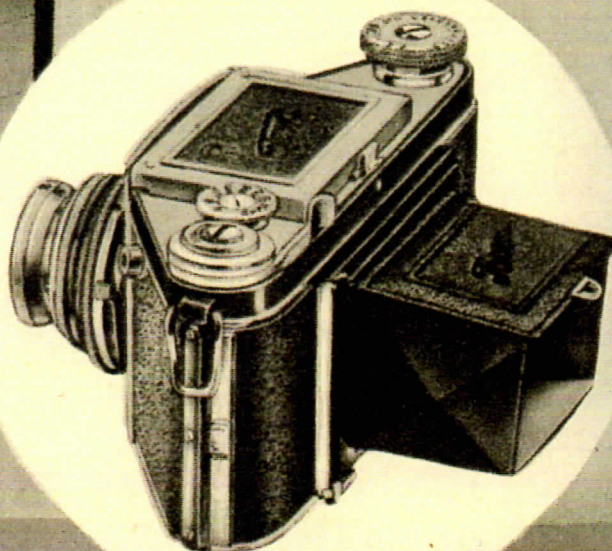
STANDARD EXAKTA

taking V. P. roll-films — 8 exposures in the $2\frac{1}{2} \times 1\frac{5}{8}$ " size

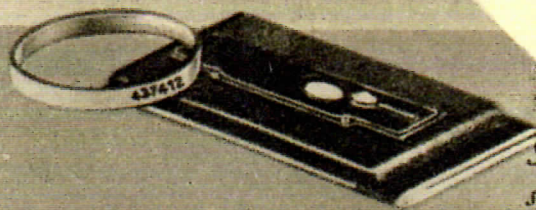
The *Standard-Exakta* is also a single-lens reflex, taking V. P. roll-film, and giving a contact print which is quite pleasant. While the Kine-Exakta negative must always be enlarged, the *Standard-Exakta* negative is large enough for this not to be essential, though the larger negative size results in excellent pictures when the enlarger is used. All models up to those with $f/2.8$ lenses can be fitted with a plate back, by means of which single glass plates can be exposed, and allowing individual treatment during development for each exposure.



Original size 4/6,5 cm. ($2\frac{1}{2} \times 1\frac{5}{8}$ ")



Standard-Exakta with plate back, for single exposures on $2\frac{1}{16} \times 1\frac{3}{8}$ " plates

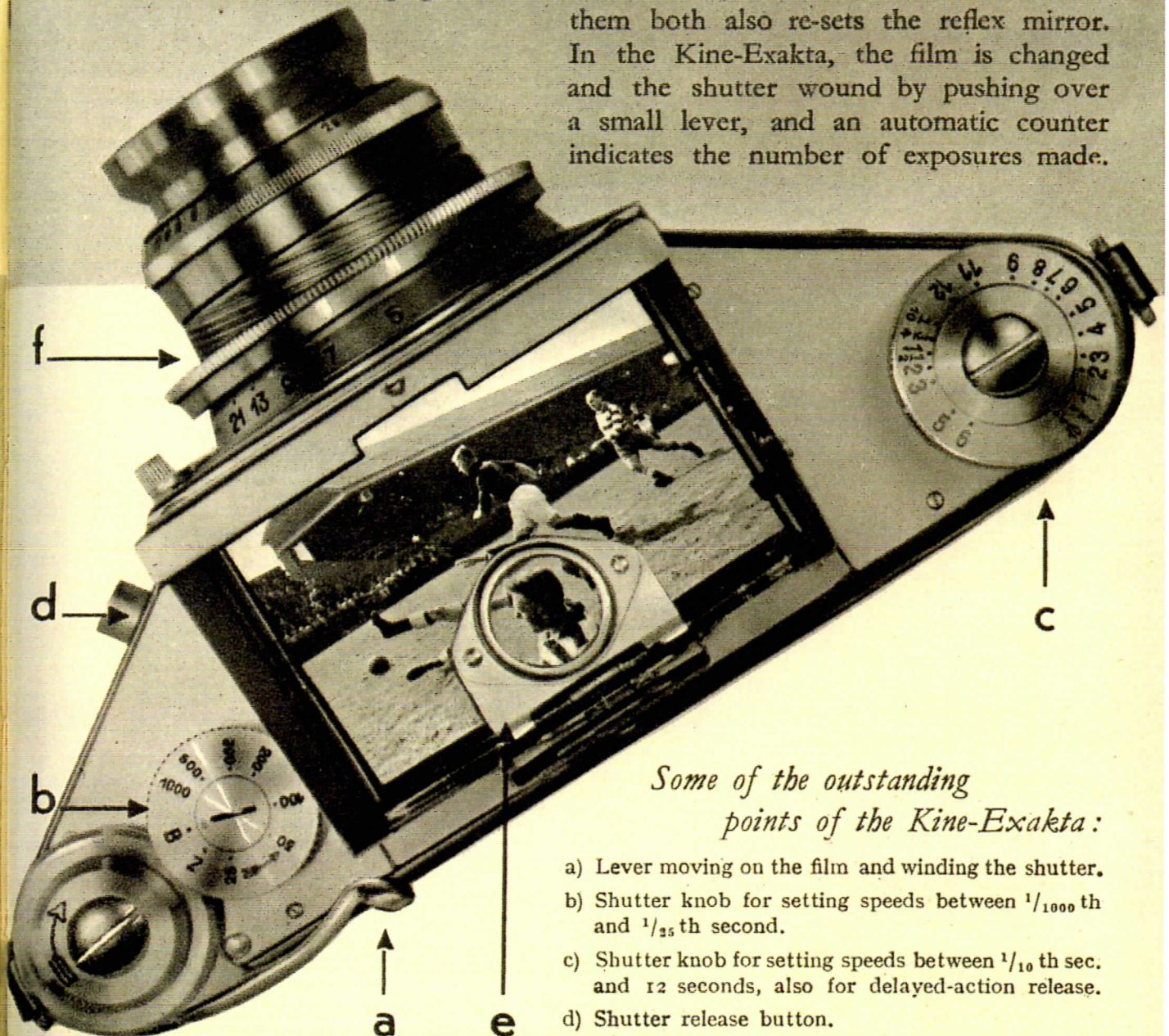


The Kine-Exakta is popular among both amateurs and professionals, and is specially useful for those who make many exposures and those who like series of pictures: once loaded it takes 36 exposures on 35 mm. perforated film, which is low in cost. Where series of pictures are exposed, the best are chosen for enlargement.

The basic design of both the Standard-Exakta and Kine-Exakta is founded on identical principles: both cameras are equally flexible in use, and the primary difference between them is negative size. Both have the same remarkable focal-plane shutter giving automatic exposures over a range between 12 seconds and $\frac{1}{1000}$ th second, or 6 seconds and $\frac{1}{1000}$ th second with the delayed-action release. It is impossible to give double exposures unintentionally with either camera, for the film and shutter winding gear are interconnected, and the lever which winds

them both also re-sets the reflex mirror.

In the Kine-Exakta, the film is changed and the shutter wound by pushing over a small lever, and an automatic counter indicates the number of exposures made.



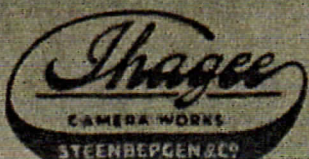
Some of the outstanding points of the Kine-Exakta:

- a) Lever moving on the film and winding the shutter.
- b) Shutter knob for setting speeds between $\frac{1}{1000}$ th and $\frac{1}{25}$ th second.
- c) Shutter knob for setting speeds between $\frac{1}{10}$ th sec. and 12 seconds, also for delayed-action release.
- d) Shutter release button.
- e) Supplementary magnifier for critical focussing.
- f) Helical screw lens mount, focussing between infinity and 3 feet.





Interchangeable Objectives
for the **EXAKTA**



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The lenses of both Exakta models are interchangeable, and both telephoto and wide-angle types can be used when desired. No special type of finder is required with any of these lenses, since the image on the ground-glass focussing screen is identical with that recorded by the camera whatever lens is in place. This is a highly important point, and can only be obtained by the use of the single-lens reflex principle. Parallax error between the view-finder and the final picture does not exist.

By using the interchangeable lenses available, the user of the Exakta is assured of universal flexibility in his equipment. Whether portraits, genre, landscapes, architecture, sports, scientific work, or any other field of photographic activity is in question, the Exakta will always give excellent service. The illustrations here show the effect of various lenses, assuming the same stand-point for the camera, and the wide variety of reproduction scales available can be seen at a glance. Whatever the subject, the Exakta will always record it.



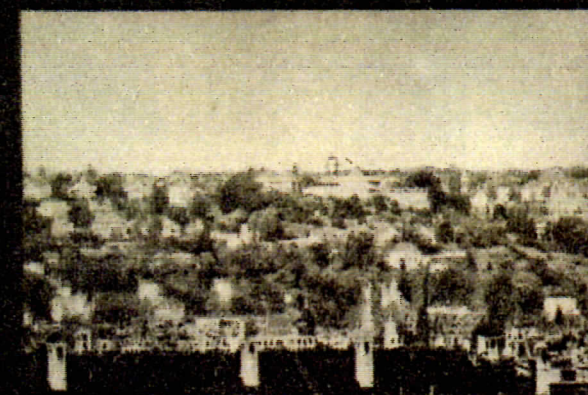
Tessar f/4.5, 1³/₁₆" (4 cm.) angle of field 55°



Exaktar f/3.5, 2¹/₈" (5.4 cm.) angle of field 43°



Tele-Megor f/5.5, 6" (15 cm.) angle of field 16°



Tele-Tessar f/6.3, 10" (25 cm.) angle of field 10°

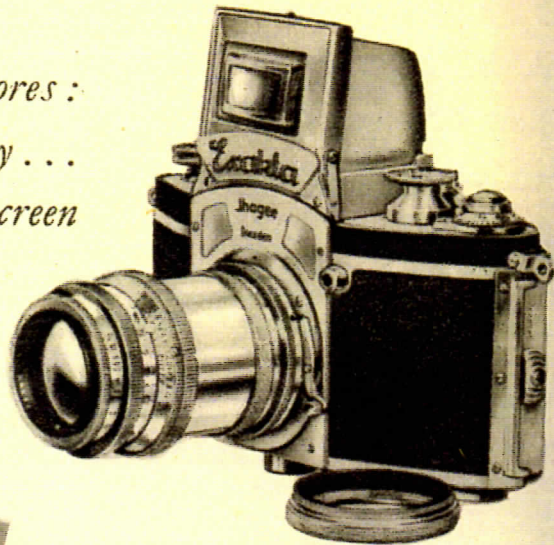


Zeiss Distance lens f/8, 20" (50 cm.) angle of field 5°

Two special fields in which the

EXAKTA scores:

*Photo-micrography and Photo-macrography . . .
with full focussing on the ground-glass screen*



Kine-Exakta with extension tubes, for very close work

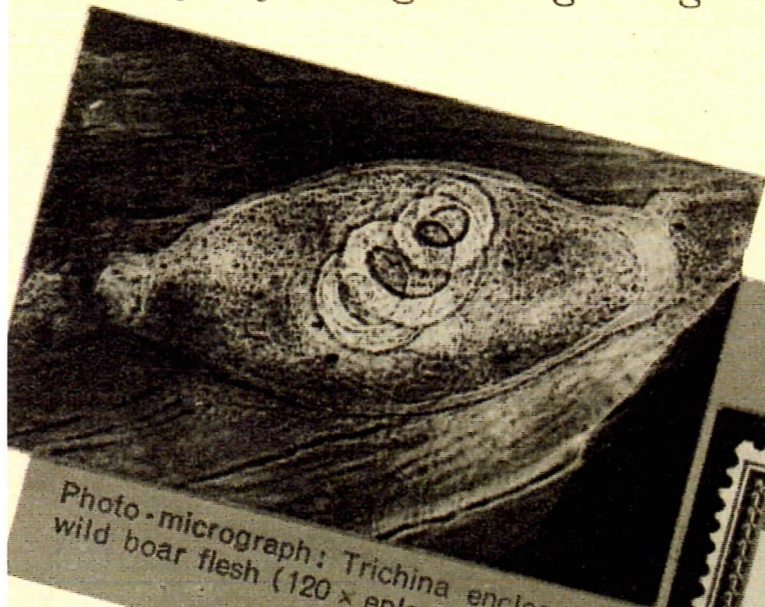
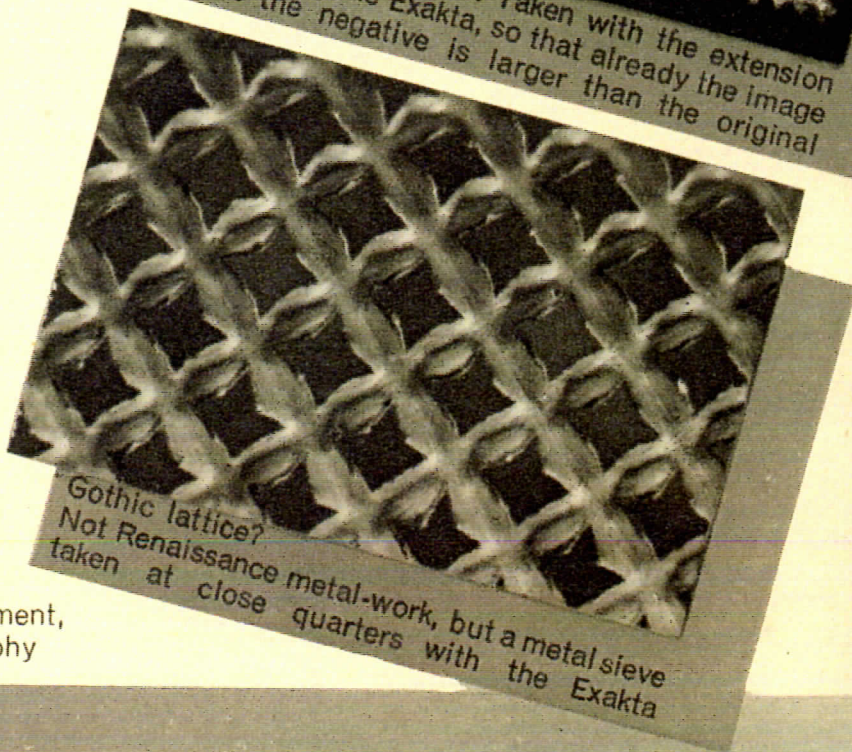


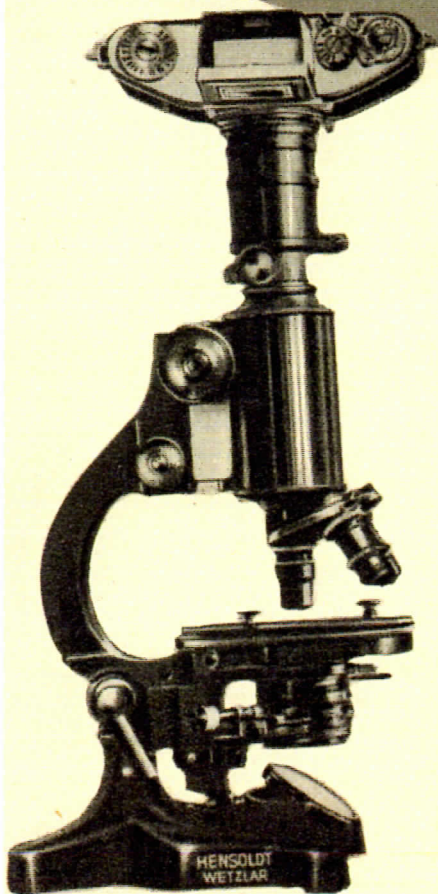
Photo-micrograph: Trichina enclosed in wild boar flesh (120x enlarged)



Photo-macrograph: Taken with the extension tubes of the Exakta, so that already the image on the negative is larger than the original



Gothic lattice?
Not Renaissance metal-work, but a metal sieve taken at close quarters with the Exakta



Kine-Exakta with Micro-attachment, arranged for photo-micrography



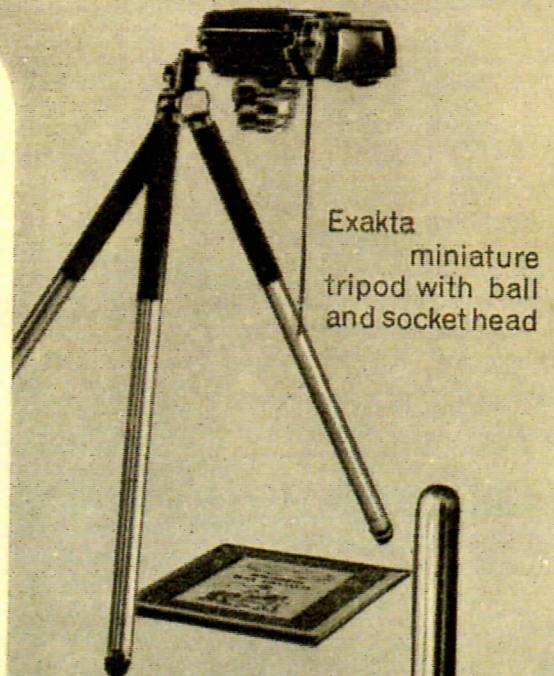
No special view-finder is required with the Exakta cameras either for Photo-micrography or Photo-macrography: the normal image on the ground glass is used both for composing and focussing. Distance meters, tables for focussing, and special equipment in difficult cases are all unnecessary, for the direct reflex image seen in the finder hood does all the work automatically. Animalculae, small insects, and even bacteria, can be followed in their movements on the screen, and the exposure made at the most useful moment.

The only accessories needed for these special fields:

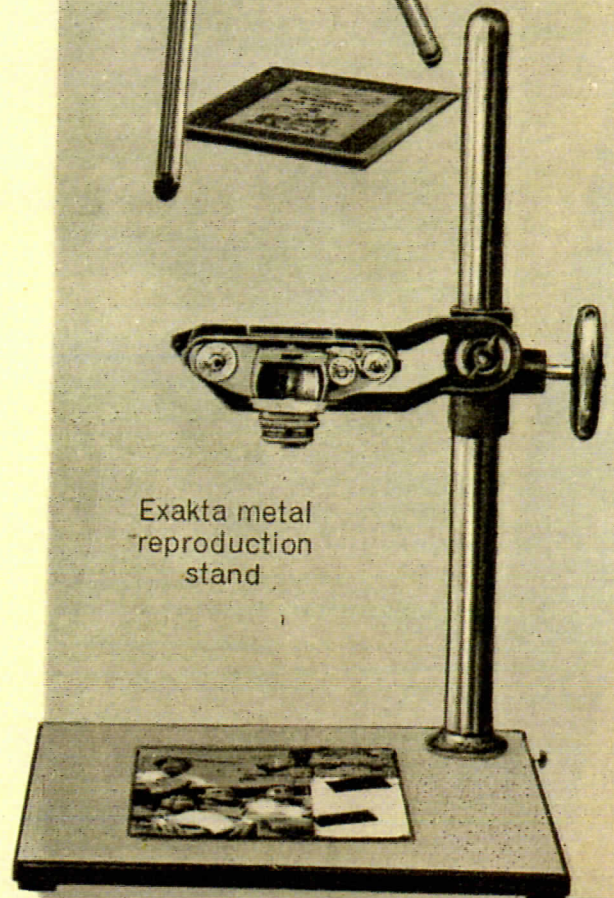
The Micro-attachment, for photo-micrography. Using this device, the Exakta can be attached to any desired microscope. The attachment has a hinge, so that the camera may be swung out of the way when the eyepiece — which is used as a camera lens — must be changed.

The extension tubes for photo-macrography. These tubes are made in two lengths, and attach to the camera and lens by special distance rings. Using both tubes together, objects an inch or two from the lens may be focussed on the screen, and when a supplementary lens is used as well, even greater magnification is possible.

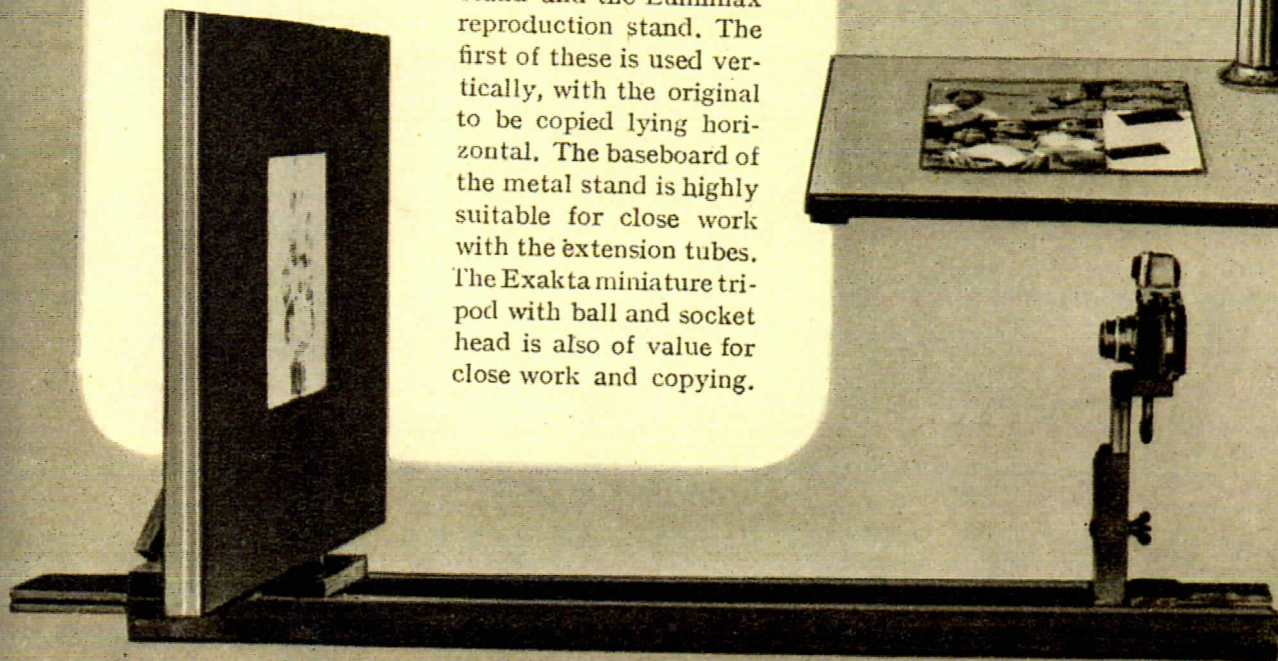
In the special field of copying and reproduction work generally, two important accessories are available. These are the Exakta metal reproduction stand and the Lumimax reproduction stand. The first of these is used vertically, with the original to be copied lying horizontal. The baseboard of the metal stand is highly suitable for close work with the extension tubes. The Exakta miniature tripod with ball and socket head is also of value for close work and copying.



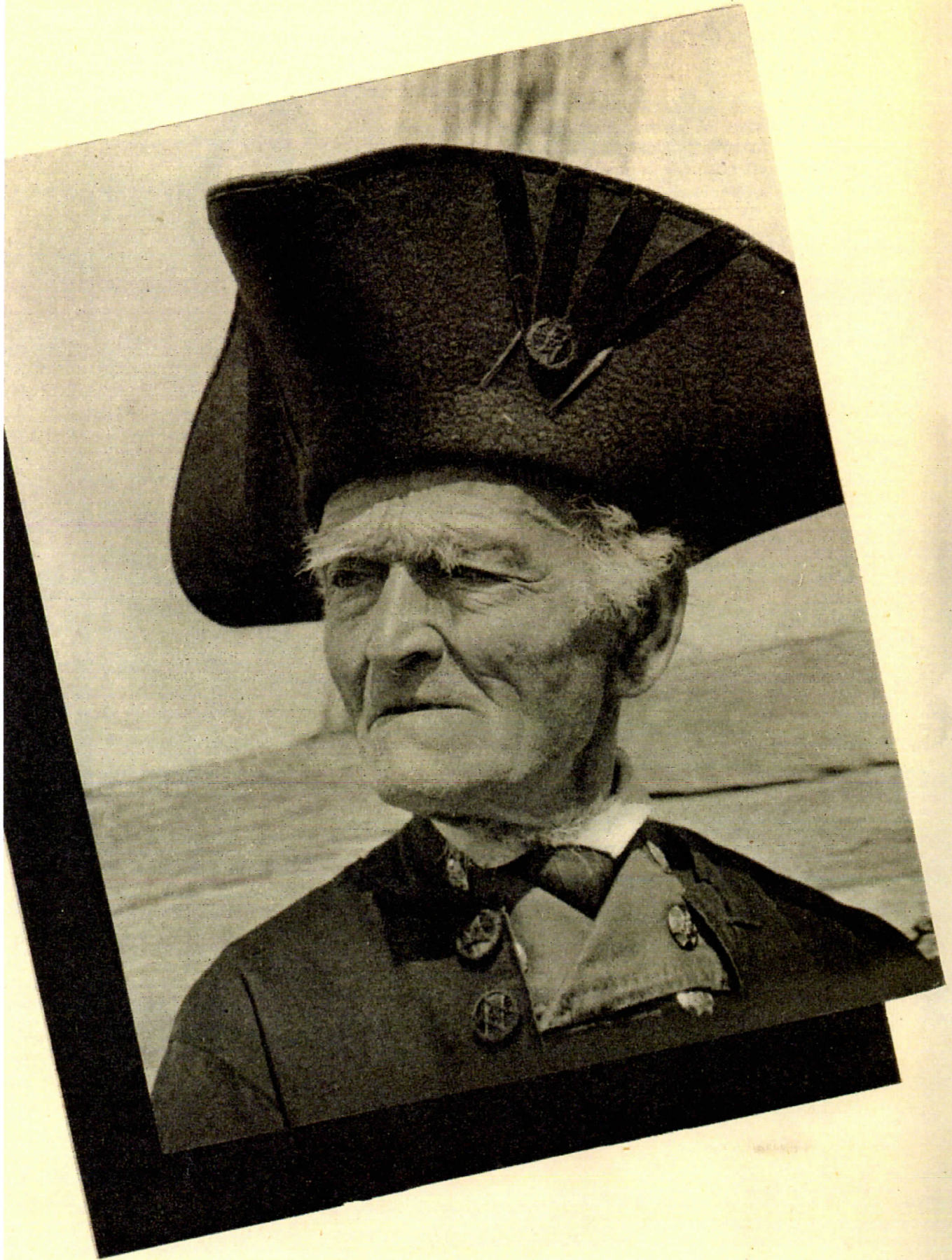
Exakta miniature tripod with ball and socket head



Exakta metal reproduction stand



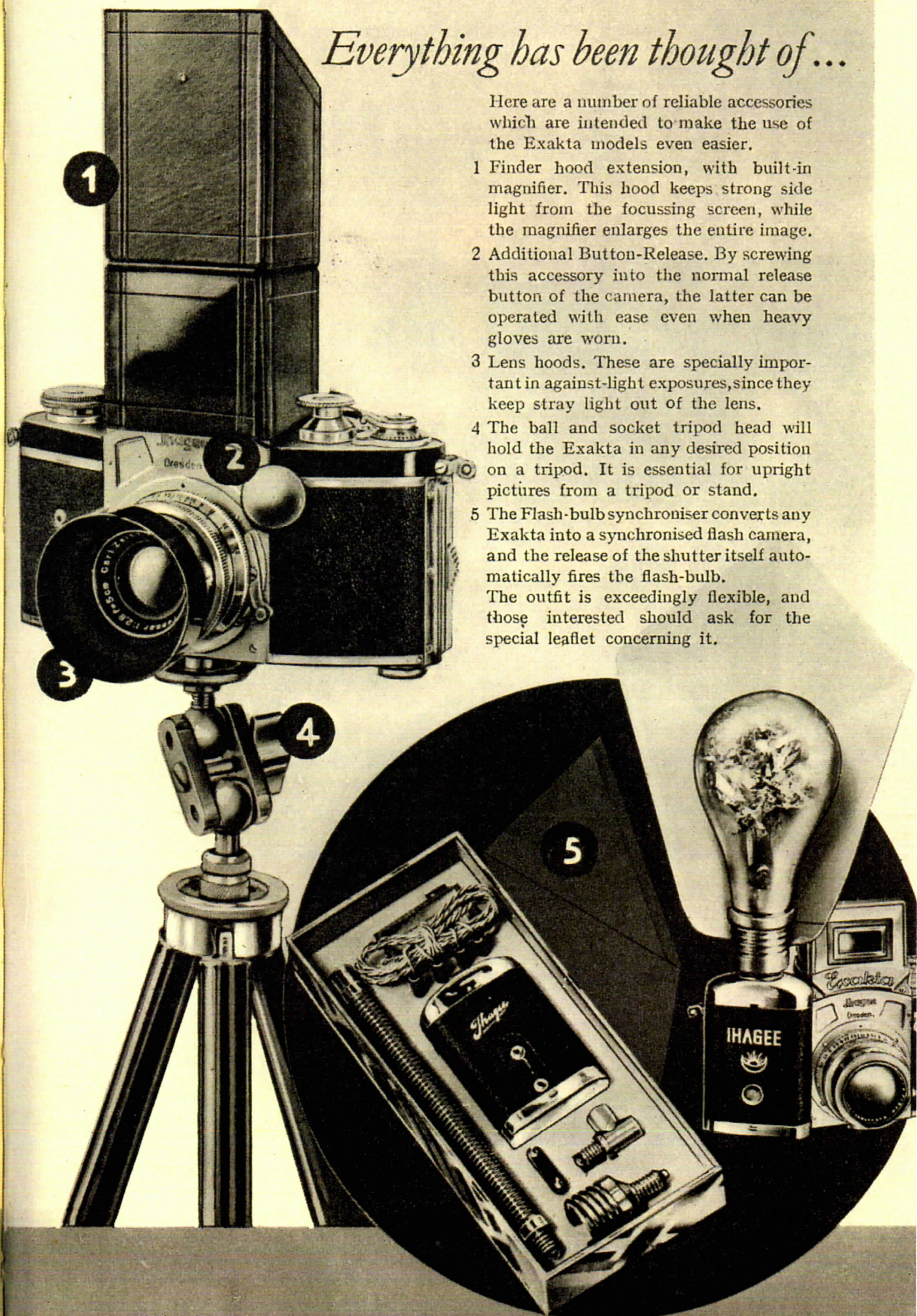
Lumimax reproduction stand

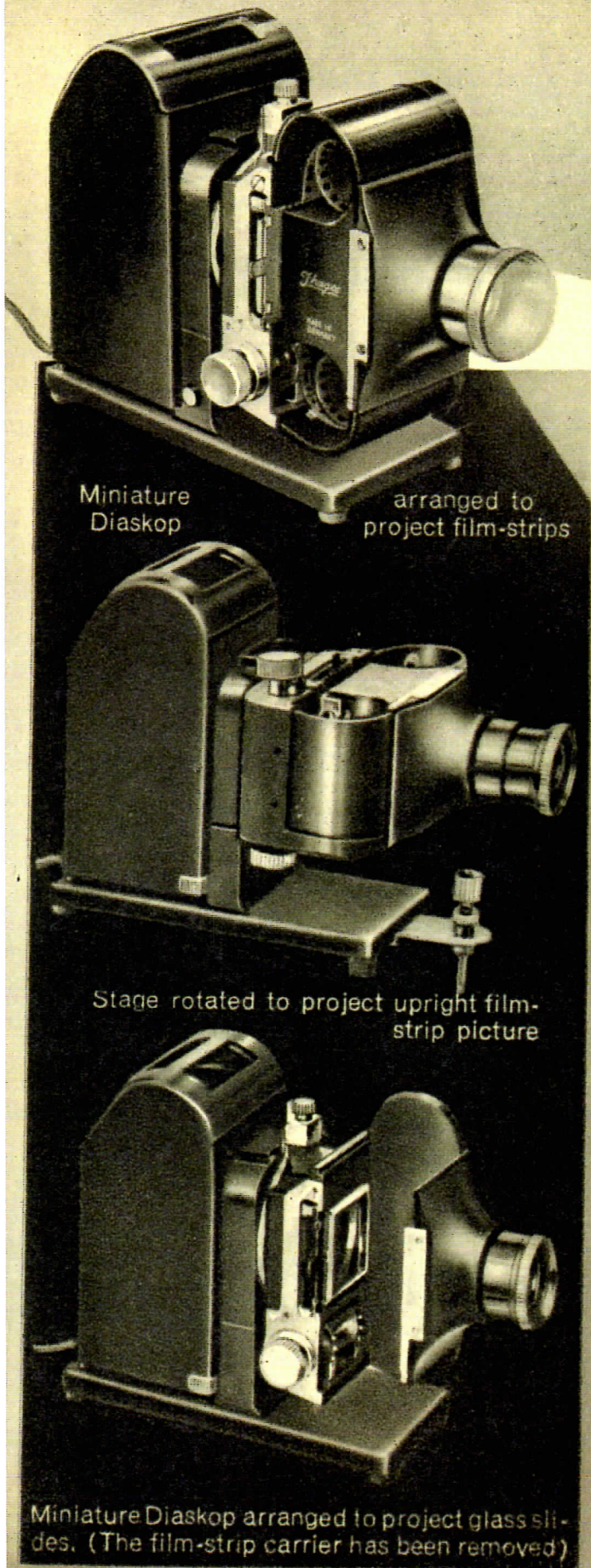


Everything has been thought of...

Here are a number of reliable accessories which are intended to make the use of the Exakta models even easier.

- 1 Finder hood extension, with built-in magnifier. This hood keeps strong side light from the focussing screen, while the magnifier enlarges the entire image.
 - 2 Additional Button-Release. By screwing this accessory into the normal release button of the camera, the latter can be operated with ease even when heavy gloves are worn.
 - 3 Lens hoods. These are specially important in against-light exposures, since they keep stray light out of the lens.
 - 4 The ball and socket tripod head will hold the Exakta in any desired position on a tripod. It is essential for upright pictures from a tripod or stand.
 - 5 The Flash-bulb synchroniser converts any Exakta into a synchronised flash camera, and the release of the shutter itself automatically fires the flash-bulb.
- The outfit is exceedingly flexible, and those interested should ask for the special leaflet concerning it.





The final aim of every ambitious photographer is an enlargement. Enlarged pictures may be produced in two ways: either the negative is enlarged to a paper print or a contact transparency is projected on to a screen. Equipment for both of these purposes are made by Ihagee, and will prove of continual value to their owners.

PROJECTION: *The Miniature Diaskop*

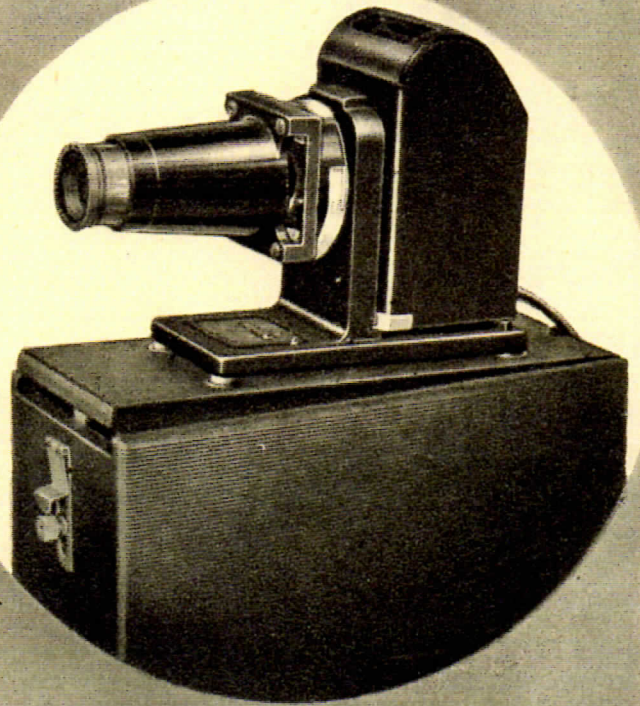
This projector is intended for use with either $1\frac{1}{2} \times 1\frac{1}{4}$ " (24×36 mm.) or $\frac{3}{4} \times 1$ " (18×24 mm.) transparencies, which may be either monochrome or in full colour. Two models are available: both have a triple condenser with heat screen, concave mirror for the lamp, a double-walled lamp-house, and an outer finish in synthetic material.

The Simplex Diaskop

is only intended for projecting 2" (5×5 cm.) square glass slides with $1\frac{1}{2} \times 1$ " (24×36 mm.) or smaller miniature transparencies bound up in them.

The Miniature Diaskop takes both these and also strips of film in the above-mentioned image sizes. The carrier stage may be rotated to give either longitudinal or upright pictures, and the film may be moved on either picture by picture, or continuously. When moving on the film a full picture at a time, the pressure on the strip can be eased by pressing a small lever to avoid scratching.

Both instruments are fitted with a large-aperture projection anastigmat lens, $f/2.5$, with a focal length of 3" (7.5 cm.). (The Simplex model may also be had with an $f/3.5$ lens, focal length $4\frac{1}{8}$ " (10.5 cm.). In each case, the carrying case of the projector is used as a projection stand during use, and is provided with a tilting device. The projector may, however, be removed from the case by taking out a holding screw, and placed on any stable surface desired.

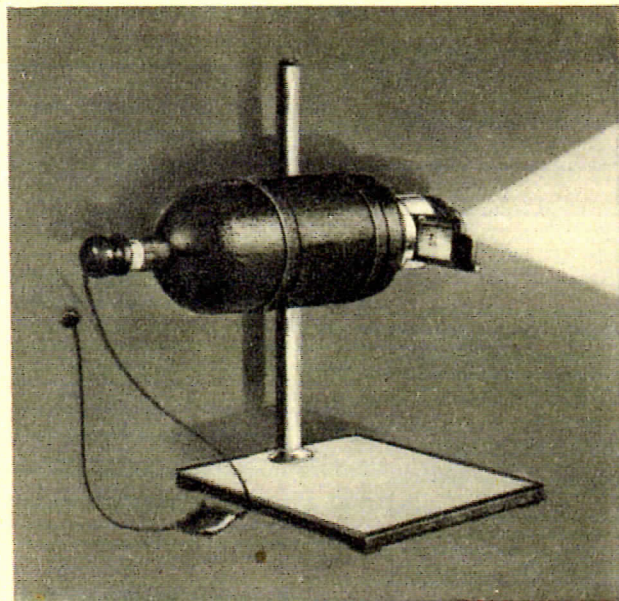


Simplex Diaskop with case, ready for use

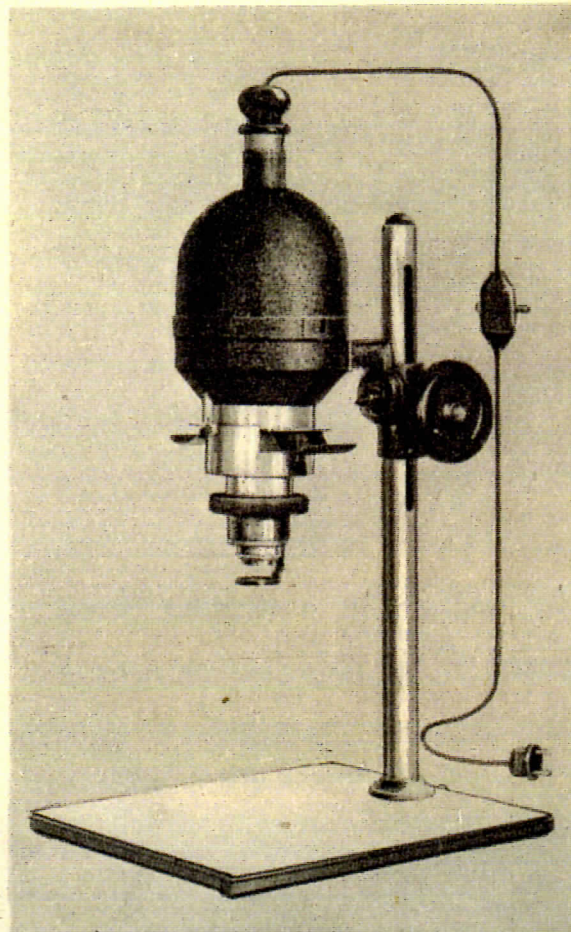


ENLARGING: The Ihagee

The *Lumimax Projector-Enlarger* is a reliable and efficient enlarger for negatives in $2\frac{1}{4}$ " square and smaller sizes, and can also be used as a projection lantern in the home. For the latter purpose, the lamp-house is swung round until it is horizontal. A rotating carrier stage is fitted so that both longitudinal and upright pictures can be projected. When used for enlarging, the instrument is vertically placed, and coarse focussing is arranged by a friction mechanism operated by a large hand-wheel. Fine focussing is done by a long helical lens mount. Strips of negatives may be placed in the carrier, while special pressure frames are available for single cut negatives. A condenser, giving high light output, is

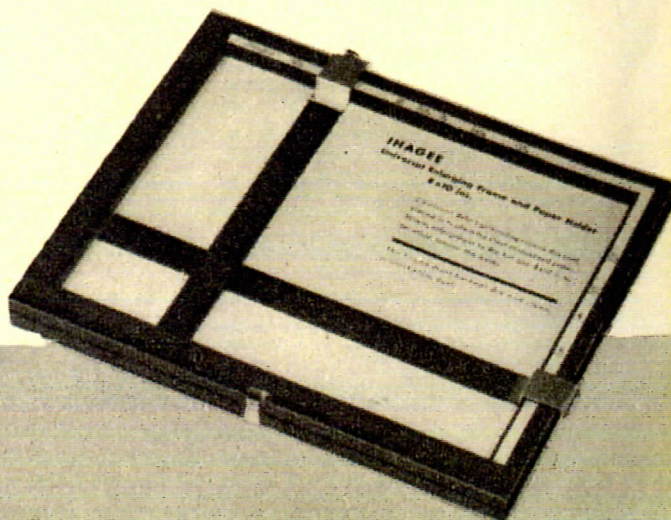


Lumimax Projector-Enlarger
set up for projection



Lumimax Projector-Enlarger
set up for enlarging

The universal paper-holders for enlarging are an essential part of the darkroom equipment. They have adjustable border masks, and will take either standard paper or intermediate sizes as may be required. Special advantages include clearly visible scales showing the size of the enlarged image, a device to give wide or narrow borders at will, and four special pointed pegs on the under side to prevent movement on the baseboard of the enlarger.



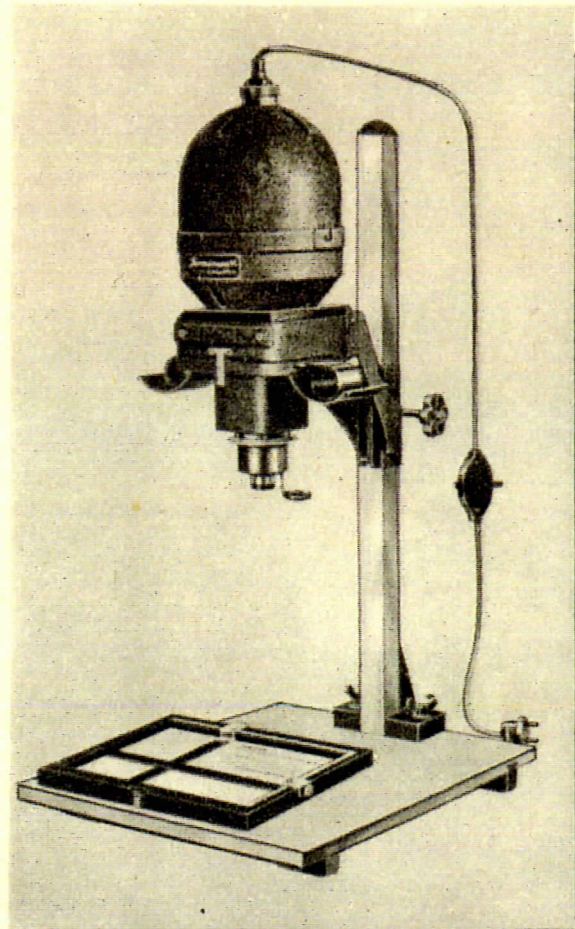
fitted, and the lamp-house is specially well ventilated. For both projection and enlargement, the camera lenses of the Exakta models can be used, but the instrument can also be obtained with a special enlarging anastigmat.

Lumimax Universal paper-holder

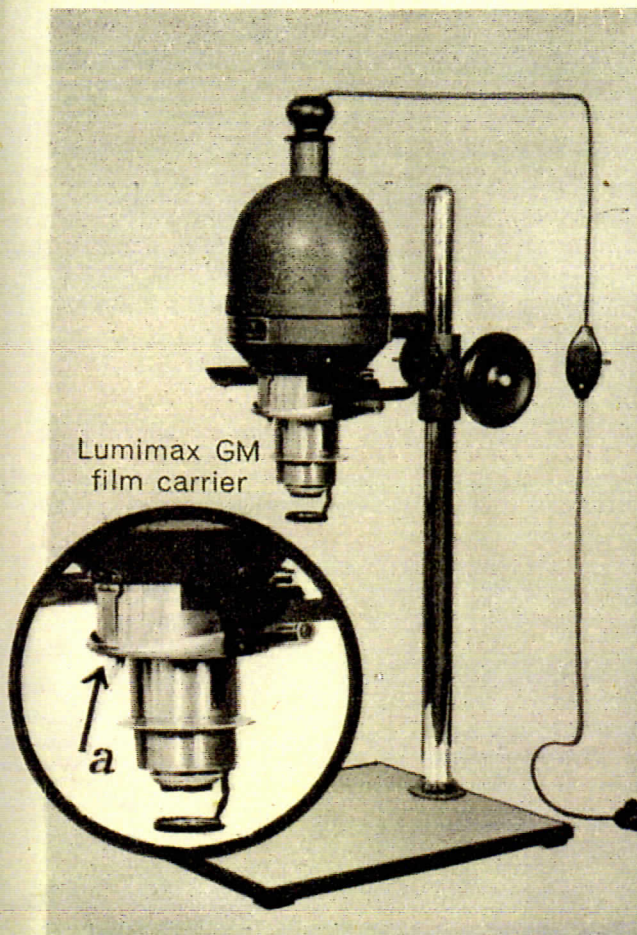


Lumimax series of Enlargers

The *Lumimax M* is an enlarger for negatives up to $2\frac{1}{4}$ " square, in which the coarse focussing is done by pushing the lamp-house up and down its pillar and fine focussing by a specially long helical screw mount. A book-form mask for both uncut lengths of film or to hold single cut negatives is supplied. The lamp-house is of metal, and is particularly well ventilated, while a condensing lens assures efficient illumination and satisfactory image contrast. The enlarger is delivered either complete with lens, or without lens and a mount to take either the Standard-Exakta or Kine-Exakta lens of normal focus. The *Lumimax GM*, the latest Ihagee introduction, is also intended for use with $2\frac{1}{4}$ " square and smaller negatives. Film strips are enlarged from a special carrier



Lumimax M



Lumimax GM
film carrier

Lumimax GM

which completely obviates scratching as the negatives are moved through it: a metal link (a→) projecting from the front of the carrier is pressed down to release pressure on the film, and is returned to its original position to hold the film flat under pressure during exposure. — The Lumimax GM is delivered complete, including baseboard, metal pillar, reversible lamp-house (for extra large enlargements), condenser, and adjustable lamp-holder. Coarse focussing is arranged by friction drive and a large hand-wheel, while fine focussing is done by a long helical screw mount. As with the other enlarger models, the Lumimax GM may either be obtained with a lens, or without lens and a special holder for the normal Exakta lenses.