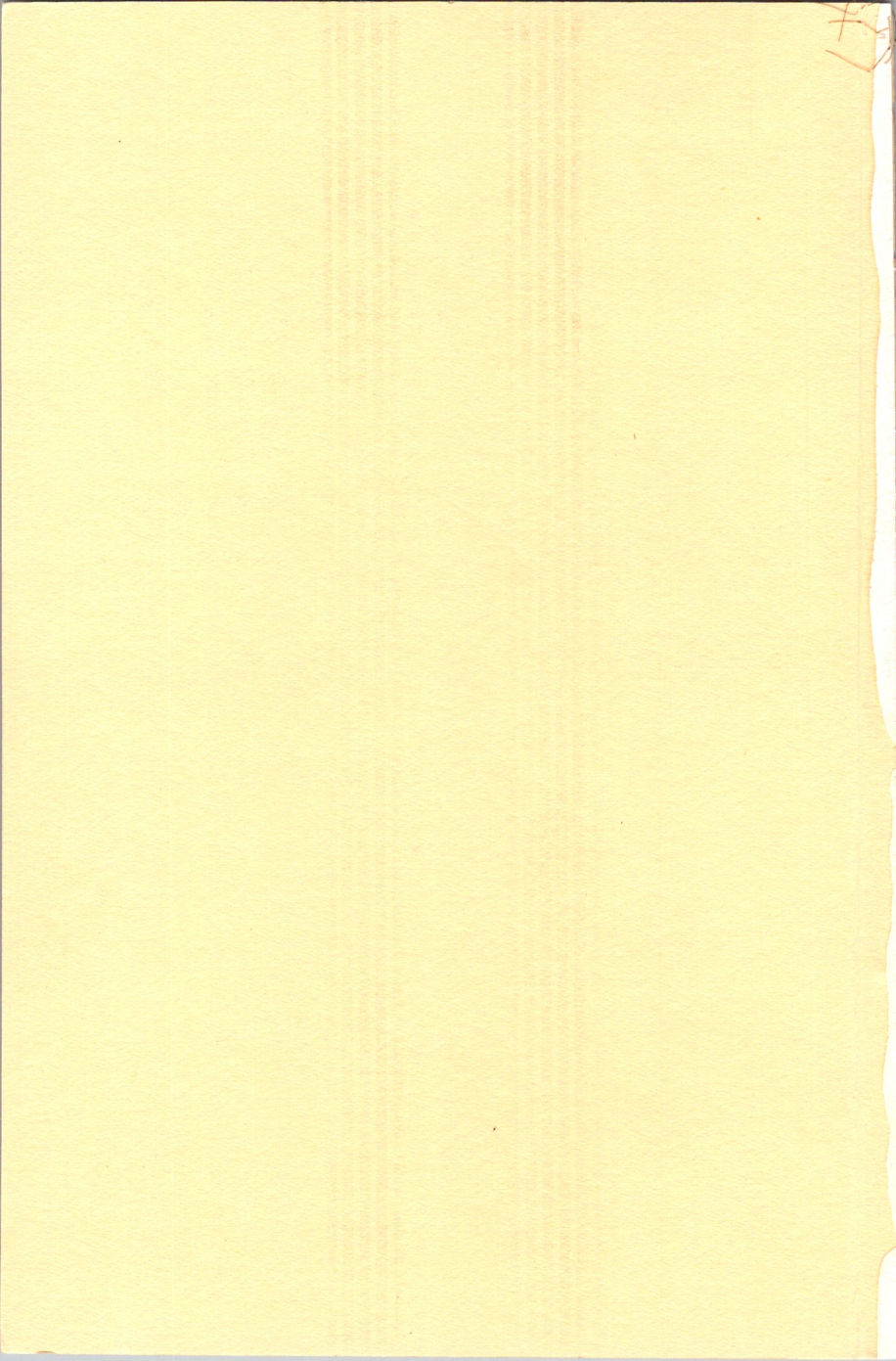


Leica

GENERAL CATALOGUE

ERNST LEITZ, WETZLAR AND LONDON



Leica

GENERAL CATALOGUE

HOVE CAMERA COMPANY REPRINT

34 Church Road, Hove, Sussex, England.

ERNST LEITZ, WETZLAR AND LONDON

Business Notices

In order to avoid the possibility of errors, kindly use the descriptions and codewords indicated in this catalogue when ordering.

In the case of apparatus which is intended for connection to an electric circuit, the voltage of the supply must always be stated.

The illustrations of apparatus contained in the catalogue are not necessarily binding as it is our constant endeavour to improve and perfect our instruments in the light of the latest research.

The letters (M) and (P) which appear following certain prices are only of significance for internal purposes within the Leitz organization.

Page 148 of this catalogue contains **a general index of our products** to which we would direct the special attention of our readers. Special catalogues are at any time supplied free of charge to enquirers.

This catalogue supersedes all previous issues.

Kindly Note

In addition to the trade mark *Leica*, the serial number of the Leica guarantees its quality and manufacture. Hence, we neither carry out repairs nor effect conversions to Leica cameras on which this number has been effaced or otherwise tampered with.

We can accept no responsibility for accessories of any kind, unless these bear our name.

Preface

In bringing out the present general catalogue of the Leica and its complete range of accessories we have had the desire to place in the hands of Leica enthusiasts a small booklet which will give them a clear and comprehensive review of the manifold appliances available for the Leica process. For this reason, greater value has been set on convenience of arrangement than on full description of the individual appliances; yet, despite this, the descriptions given, together with the numerous illustrations, will afford sufficient information concerning the outstanding advantages and properties of the apparatus.

In addition, we have indicated in the different sections the various separate lists in which the appliances are more fully described, and which are supplied free of charge on request. As the index shows, we have divided the accessories into the following main categories:

- Leica cameras
- Small accessories for the Leica
- Additional equipment for special purposes
- Leather containers
- Accessories for the darkroom
- Developing apparatus
- Printing apparatus
- Copying devices
- Additional accessories for the scientist
- Optical rangefinders for photographic purposes
- Enlarging apparatus
- Small Projectors.

In order to find a particular article, use may be made of the following index, of the alphabetical index of the articles with their codewords, or of the alphabetical index of codewords with their meaning; the two last will be found at the end of the catalogue. We hope these different indices will help to simplify the task of finding the various items, especially in the trade.



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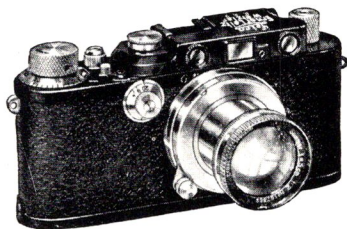
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Leica Cameras

LEICA MODELS II, III AND IIIa with automatic focusing



General

The Leica made its appearance in 1925 as the first miniature camera giving a $1\frac{1}{2} \times 1$ inch image on cinema film. It was the outcome of the many years' experience of the firm of Leitz in the construction of microscopes and other precision instruments: consequently when it made its appearance as a **perfected instrument of precision** it aroused the interest of the whole photographic world. It was destined to bring about a complete revolution in amateur and professional photography and in its unprecedented progress in all parts of the world it became the pioneer and pace-maker in spreading the modern movement of miniature photography. To-day it forms **the basis of a unique photographic process that is extraordinarily universal in its range of application.**

The first Leica model with the fixed F/3.5 standard "Elmar" lens of 5 cm. focal length and with separate rangefinder, developed first into the transitional form with interchangeable special lenses graded in focal length and aperture for all kinds of purposes, then, at the beginning of 1932 into the Model II with automatic focusing. In 1933 came the Model III with additional slow speeds up to 1 second, and in 1935 the Model IIIa giving exposures of from $\frac{1}{1000}$ to 1 second.

Thus the "Leica" represents **an instrument that has proved itself in years of use** and that has undergone development in certain directions as the outcome of long periods of test. Despite this, any of the older patterns of the Leica camera can be converted into the newest model.

Scope of service

Every branch of photography! There is now no photographic problem that cannot be solved by means of the "Leica" and its practical accessories: portrait photography, sports and landscape pictures, night and theatre subjects, stereoscopic work, photo-micrography, close-up studies of small objects in natural size or at small reduction, reproduction photography, clinical or surgical records of operations, X-ray reproductions, etc. The Leica lenses alone can also be used in the making of enlargements and in the projection of pictures. **There is no other camera, small or large, that possesses such an extraordinarily wide range of uses.**

Dimensions

The external size of the body of the Leica camera is $5\frac{1}{4} \times 2\frac{1}{4} \times 1\frac{1}{4}$ ins. The standard lens projects only $\frac{1}{2}$ -inch forwards from the camera body.

Weight

The "Leica" without film chamber weighs about 17—18 ozs., and the loaded film chamber 2 ozs. It is thus the **smallest and lightest universal camera.**

Camera body

Is made of drawn ductile material of the highest durability, casting methods, which are never entirely reliable, being strictly avoided. Indestructible coating of vulcanised hard rubber. The body is entirely enclosed and fully protects all internal parts, even in the open position, against damage and against external influences. The edges and ends are rounded.

Negative material

Perforated standard-size cine film, such as is obtainable all over the world; the usual Leica film length is 62 ins. Special Leica films, ready cut to size, are supplied by all film manufacturers. The film is also, however, obtainable in lengths of 25, 50 or 100 ft.

Image size

The **Leica size of $1\frac{1}{2} \times 1$ ins.** (24×36 mm.), was created by Leitz and used for the first time in the Leica camera. This size is just double the size of the standard cinema film picture $1 \times \frac{3}{4}$ ins.

Number of pictures

A spool chamber contains film for 36 exposures. The film can, however, be inserted in shorter lengths or taken out when required, after any number of pictures have been exposed. The number of pictures taken can be read off at all times on a counting disc.

Spool chamber

Weight of the spool chamber loaded for 36 exposures, only 2 ozs.: height $1\frac{3}{4}$ ins., diameter about 1 inch.

Changing spool chambers

Spool chambers may be changed in daylight without complication and with the simplest possible manipulation.

Film movement

The film movement and the shutter winding mechanism are automatically coupled and are actuated by a single continuous rotation of the winding knob against a fixed stop. Consequently **double exposures are impossible.**

Shutter

All models of the Leica camera have a self-capping focal plane shutter. The shutter of the Model II is for instantaneous speeds of $\frac{1}{20}$, $\frac{1}{30}$, $\frac{1}{40}$, $\frac{1}{60}$, $\frac{1}{100}$, $\frac{1}{200}$, $\frac{1}{500}$ second as well as time exposures of any desired duration; the Model III has in addition instantaneous speeds of $\frac{1}{8}$ to 1 second, and can be set to any speed between these two figures. In the case of the Model IIIa the speeds are extended in the opposite direction, and range from 1 second to $\frac{1}{1000}$ second. **The rubber cloth of the shutter blind is made by a special process and is proof against all climatic conditions.** Especially in the damp heat of the tropics, the shutter cloth of the Leica has shown itself to be absolutely impervious; the witness of many well-known explorers testifies to this fact. The blind runs in the direction of the longer side of the image, a fact which is of the greatest importance in the rendering of objects in rapid movement. Further particulars are contained in the detailed Leica booklet, "Leica, the Camera of Modern Times".

Lenses

The standard lens of the Leica is the world-renowned **Leitz F/3.5 "Elmar" anastigmat of 5 cm. focal length**, an unsymmetrical triplet with a cemented rear lens; this lens was computed specially for the Leica and represents the ideal combination of focal length, aperture, image angle and complete correction, together with the greatest possible simplicity of construction. Nine other special lenses, affording the widest variation in focal length and aperture, can be used interchangeably with the standard lens (see "special lenses" on page 15 onwards).

Depth of focus

A depth of focus ring is provided to show immediately the depth of focus given with every setting of the lens and any given aperture.

Lens focusing

The Leica Models II, III and IIIa possess automatic focusing, i. e., the focusing of the lens and the measuring of the distance of the object form one single operation, since the two movements are automatically coupled together. **The whole operation of focusing is carried out almost instantly:**

1. Observe the object through the rangefinder and simultaneously turn the focusing mount of the lens with the left-hand forefinger until the two images of the object visible in the rangefinder exactly coincide.
2. A quick glance through the viewfinder to ensure the correct placing of the object in the field of view, and
3. the forefinger of the right hand, which is held ready on the press button, releases the shutter.

Both hands are used together in focusing, which gives a complete feeling of safety: the whole thing is done in the simplest, most natural and most rapid fashion. **No other camera is its equal in instant readiness and quickness of use in exposing.**

Rangefinder

The rangefinder is built-in horizontally as a fixed part of the camera top: the length of its base is more than sufficient for the small size negative. Too long a base has proved actually less suitable for miniature cameras, because with the long base the two images of the object are not visible simultaneously in the field of view of the finder for all distances — this fact is naturally a hindrance in the use of the rangefinder and makes measurement uncertain. A full explanation of this point is contained in the detailed Leica list.

In the rangefinder of the Models III and IIIa there is a built-in telescope having a magnification of $\times 1\frac{1}{2}$, which makes it even easier than before to bring the two images into coincidence.

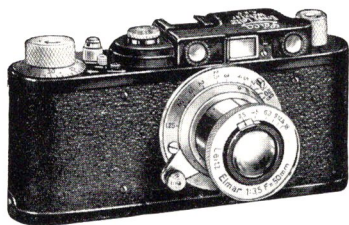
Viewfinder

An optical direct-vision viewfinder, a reversed Galilean telescope. The Leica is held at eye-level for exposure, which gives the pictures a surprisingly natural perspective

Special lenses

The complete range of Leica lenses is specified on page 15. All the lenses are standardised and at once interchangeable with one another. When this change of lenses is made, the coupling of the lens with the built-in rangefinder takes place completely automatically, except in the case of the Leitz "Telyt" F/4.5, 20 cm. which has a special focusing arrangement.

The Models III and IIIa have two lateral metal eyelets to take the swivel clasps of the leather neckstrap supplied with the camera.



£ s. d. Codeword

Leica Model II,
enamelled
black, without
 spool chamber,
 without lens ...

18. 0.0 Airoo

Standard lens Leitz "Elmar" F/3.5, 5 cm.
 with coupling and interchangeable mount

8.10.0 Elmar

26.10.0 Aboot

Ever-Ready Case for the above (see also
 page 39)

1. 7.0 Esnar

Leica Model II without spool chamber,
 without lens, all nickel and black enamelled
 metal parts **chromium plated**

19. 3.0 Airoo chrom

Standard lens Leitz "Elmar", chromium
plated

8.14.0 Elmar chrom

27.17.0 Aboot chrom

Leica Model III, black enamelled, with-
 out spool chamber, without lens

22. 0.0 Afoov

Standard lens Leitz "Elmar" F/3.5,
5 cm. with coupling and interchangeable
 mount

8.10.0 Elmar

30.10.0 Acoos

Ever-Ready Case (see also page 39)

1. 7.0 Esnar

Leica Model III without spool chamber,
 without lens, all metal parts **chromium**
plated

23. 2.0 Afoov chrom

Standard lens Leitz "Elmar", chromium
plated

8.14.0 Elmar chrom

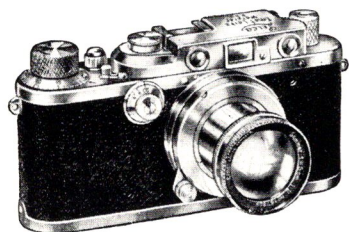
31.16.0 Acoos chrom

Leica Model III, enamelled black, with
 ultra-rapid lens **Leitz "Summar" F/2,**
5 cm. without

spool chamber .. 39.10.0 Achoo

Leica Model III
 as Achoo, but
 with all nickel and
 black enamelled
 parts **chromium**
plated

40.16.0 Achoo chrom

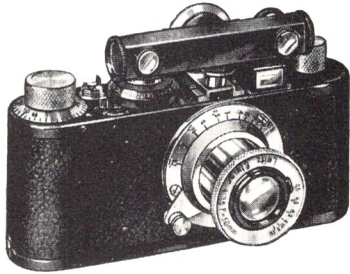


Leica Model IIIa, chromium plated, without lens, without spool chamber	25. 6.0	Agnoo
Leitz "Summar" lens F/2, 5 cm.	17.14.0	Sumus chrom
	43. 0.0	Adkoo

The same camera, but with Leitz "Elmar" lens F/3.5, 5 cm.	34. 0.0	Adoor
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LEICA "STANDARD" MODEL with attached horizontal rangefinder

The Leica "Standard" model differs from the Leica Model II only in the fact that the coupling of the rangefinder and the lens focusing movement is not provided. The rangefinder, on the contrary, is separate and can be fixed horizontally or vertically on the camera. Apart from this, the "Standard" Leica will do everything that the Leica Model II will do.



do everything that the Leica Model II will do.

Lenses: The "Standard" Leica is usually supplied with the standard lens Leitz "Elmar" F/3.5, 5 cm. The lens is, however, also interchangeable with all the special Leica lenses specified on page 15 and onwards. It must be emphasized that the "Standard" Leica can be converted into the Model II with automatic focusing, or the models III and IIIa (see above) at any time.

Leica camera "Standard" model, black enamelled, without spool chamber, without lens	8. 9.0	Alvoo
Standard lens Leitz "Elmar" F/3.5, 5 cm. interchangeable	8.10.0	Elmar
	16.19.0	Aroog

Leica camera "Standard" model, chro- mium	9.11.0	Alvoo chrom
Standard lens Leitz "Elmar" F/3.5, 5 cm. chromium	8.14.0	Elmar chrom
	18. 5.0	Aroog chrom

£ s. d. Codeword

Short-base rangefinder for attachment in horizontal or vertical position	2. 0.0	Fokos
Brown leather case for the rangefinder	0. 4.0	Eukos
Morocco leather purse for the rangefinder (see also page 23)	0. 2.0	Eurus
Ever-Ready case for the "Standard" Leica and other leather cases, see page 39 onwards.		
Correcting glasses for long sight and short sight , see page 14.		

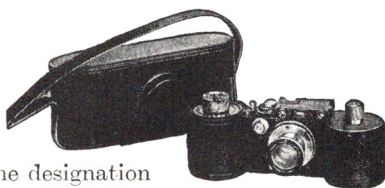
LEICA 250

For many purposes it is not sufficient for the photographer to be able to make 36 exposures at one loading.

We therefore supply, under the designation "Leica 250", a Leica camera with a film chamber which is loaded with 33 ft. of film, permitting rather more than 250 exposures to be made with a single loading.

The Leica 250 is supplied with two spool chambers, one of which serves as a take-up chamber.

For the rest, the Leica 250 has the same constructional advantages as the Model III, including the built-in rangefinder which couples automatically with all the interchangeable lenses, and the wide range of speeds from $\frac{1}{500}$ to 1 second.



£ s. d. Codeword

Leica 250, enamelled black , with two spool chambers, without lens	39. 6.6	Loomy
Leitz "Elmar" lens, F/3.5, 5 cm.	8.10.0	Elmar
	<u>47.16.6</u>	Looye
Ever-Ready case for the above	1.16.0	Esfoo
Trimming template (see also page 43)	0. 7.0	Anzoo
Extra spool chamber (see also page 14)	1.14.0	Koobf

For further particulars about the Leica 250, see our special leaflet "Leica 250".

Small Accessories for the Leica

£ s. d. Codeword



Spool chamber
Model B (all-
metal chamber)

Leica spool chamber Model B (all-metal) as spare	0.10.0 Filca
Extra centre spool , as spare	0. 2.6 Spuca
Take-up spool (receiving spool M) of the Leica, as spare	0. 3.6 Spulm
Film chamber for the Leica 250 , as spare	1.14.0 Koobf

Lens cap for all lenses except
the "Elmar" 10.5 cm. and "Hektor"

7.3 cm., enamelled black	0. 2.6 Orvzo
Lens cap as Orvzo, but chromium plated	0. 3.6 Orvzo chrom
Lens cap for "Elmar" 10.5 cm.	0. 2.6 Orwbo
Lens cap for "Hektor" 7.3 cm.	0. 3.6 Orxdo
Lens cap for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	0. 3.6 Orzho

Orange filter, slip-on, for the rangefinder of the
Leica, particularly recommended for photographs
in artificial light 0. 4.6 **Orako**

For the correction of long sight or short sight
(not astigmatism) we supply correcting glasses
which can be screwed in front of the viewfinder
and rangefinder eyepieces of the Leica Model II (and
in front of the viewfinder of the "Standard" Leica*).
When ordering the exact dioptric number (plus
or minus) must be stated each 0.11.6 **Ortux**

Correcting glasses for astigmatism on enquiry.

Interchangeable special lenses, see page 15 onwards.

Other leather cases for the Leica with and without accessories,
see page 39 onwards.

Yellow filters and supplementary front lenses, see page 24
onwards.

* In the case of cameras of which the viewfinder and rangefinder are not provided
with screw threads, the glasses are supplied at the same price in slip-on mounts.
When ordering please specify which type is required.

Additional Equipment for Special Purposes



Interchangeable Leica Lenses

The complete range of Leica lenses with interchangeable mount and automatic coupling consists of the following:

£ s. d. Codeword

Leitz "Hektor" F/6.3, 2.8 cm. Ultra-wide angle lens for architecture and landscapes.

Image angle 76°; weight 4 ozs. 10.14.0 Hoopy

Chromium plated finish 10.18.6 Hoopy chrom

Leitz "Elmar" F/3.5, 3.5 cm. Wide-angle lens for architecture and landscapes. Image angle 65°; weight 4³/₄ ozs.

9. 0.0 Ekurz

Chromium plated finish 9. 5.0 Ekurz chrom

Leitz "Elmar" F/3.5, 5 cm. Standard and universal lens for all purposes of amateur photography, collapsible (see also description of the Leica under "lenses", p. 8). Image angle 48° , weight $4\frac{1}{2}$ ozs. ... 8.10.0 Elmar

Chromium plated finish 8.14.0 Elmar chrom

Leitz "Summar" F/2, 5 cm. A universal lens of highest quality. It is eminently suitable for every kind of artificial light and Press photography, as well as for general amateur work. Even at full aperture, it yields absolute sharpness over the entire field. Image angle 48° ; collapsible mount; weight $7\frac{1}{4}$ ozs. 17.10.0 Sumus

Chromium plated finish 17.14.0 Sumus chrom

Leitz "Hektor" F/1.9, 7.3 cm. At full aperture, a special lens for portraits, sports and Press photography, forensic photography, night pictures and theatre subjects; at smaller apertures an excellent landscape lens, capable of universal application. Chromium plated scale; image angle 34° ; weight $17\frac{1}{2}$ ozs.; relative magnification as compared with the standard lens, $\times 1.5$ 29. 5.0 Hegra*

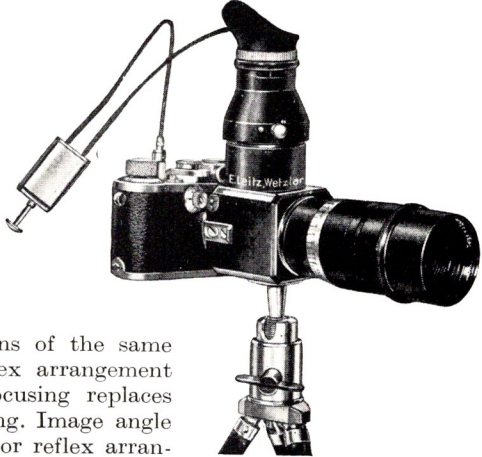
Leitz "Elmar" F/4, 9 cm. Long-focus, large-aperture lens for all purposes of long-distance photography, such as landscape, architecture, portraits and animal studies. Chromium plated scale; image angle 27° ; weight $10\frac{1}{2}$ ozs.; relative magnification as compared with the standard lens, $\times 1.8$... 11.17.0 Elang

Leitz "Thambar" F/2.2, 9 cm. Soft-focus lens of very large aperture for studio portraits. Chromium plated scale; image angle 27° ; weight $17\frac{1}{2}$ ozs.; relative magnification as compared with the standard lens, $\times 1.8$ 21.19.0 Toody*

* Including special sun hood.

Leitz "Elmar" F/6.3, 10.5 cm. Long-focus lens for landscape photography; a specially light and convenient lens for touring and mountaineering. Chromium plated scale; image angle 24° ; weight $8\frac{1}{2}$ ozs.; relative magnification as compared with the standard lens, $\times 2.1$ 10. 3.0 Elzen*

Leitz "Hektor" F/4.5, 13.5 cm. For objects at specially great distances, principally for distant landscapes, but also for portraits. Chromium plated scale; image angle 19° ; weight $19\frac{3}{4}$ ozs.; relative magnification as compared with the standard lens, $\times 2.7$ 18.12.0 Hefar

Leitz "Telyt" F/4.5, 20 cm. Tele-lens of exceptional definition and freedom from distortion. The tele-lens construction permits of a relatively short extension as compared with the long focus and is therefore more convenient in manipulation than a normal distance lens of the same focus. A mirror reflex arrangement with ground glass focusing replaces the automatic coupling. Image angle 12° ; weight with mirror reflex arrangement $44\frac{3}{4}$ ozs.; relative magnification as compared with the standard lens, $\times 4$.

 Leitz "Telyt" lens, including special sun hood .. 20.18.6 Otplo

Mirror reflex arrangement, including double release 16.17.6 Ploot
 37.16.0 Toolp

* Including special sun hood.

For close-up photographs with the Leitz "Telyt" (under 10 ft.), the tube can be extended by means of intermediate collars (see our special list: Leitz "Telyt").

Intermediate collar 15 mm long 0. 7.0 **Moosp**

Our Leitz "Hektor" F/4.5, 13.5 cm. lens can also be used in conjunction with the same mirror reflex arrangement, for which purpose it can be supplied with a shorter mount.

Leitz "Hektor" F/4.5, 13.5 cm., with shorter mount, without coupling 16. 6.6 **Ohebo**

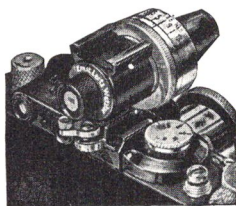
For the above: Intermediate mount with coupling, for converting a lens as "Ohebo" into a lens as "Hefar" 4.17.0 **Zooke**

Special Viewfinders

To indicate the field of view covered by the different lenses, a special viewfinder—the so-called Universal Viewfinder—is required. This is supplied in two models.

Universal Finder "Vidom" for all Leica lenses of 3.5 to 13.5 cm. focus*

This viewfinder has its angle of view set by a rectangular aperture, which can be varied in size by turning a milled ring. This ring carries an engraved scale marked with the focal lengths of the various lenses. The aperture consequently always shows the exact field of view for the focal length to which the index mark is adjusted.



* Can also be supplied in a similar form for cine cameras.

The reduced field obtained when taking close-ups is indicated by a second shorter index line.

The parallax between viewfinder and lens (displacement of the optical axis) can be compensated by tilting the base of the viewfinder. This is done by turning a small lever underneath the eyepiece. The actual position of the lever for the various distances under 4 metres (12 ft.) as well as for ∞ (infinity) is indicated on a scale.

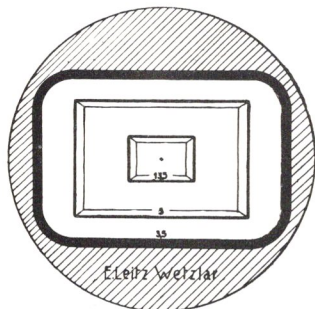
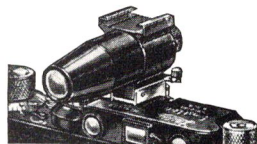
A fuller description is contained in the leaflet: "Special Viewfinders for the Leica camera".

£ s. d. Codeword

Universal Finder with adjustable field diaphragm and parallax compensation, for all Leica lenses except the Leitz "Hektor" 2.8 cm. and Leitz "Telyt" 20 cm.	4. 5.6 Vidom
Chromium plated finish	4. 8.0 Vidom chrom
Solid leather case for same	0. 4.0 Vilui

Universal Finder for specific combinations of lenses

In contrast to the "Vidom" finder, the second type of finder is only designed for specified combinations



of lenses (see table of prices). The various fields are indicated on a line-drawn plate, as shown in the adjacent illustration. The parallax between viewfinder and lens is compensated for just as in the case of the "Vidom" viewfinder by tilting the support of the finder.

A fuller description is contained in our pamphlet "Special Viewfinders for the Leica Camera".

Universal Finder with line-drawn plate and parallax compensation.

Model I for 3.5—5—7.3 cm. lenses	3.14.6	Viuna
Chromium plated finish	3.16.6	Viuna chrom
Model II for 3.5—5—9 cm. lenses	3.14.6	Vizwo
Chromium plated finish	3.16.6	Vizwo chrom
Model III for 3.5—5—10.5 cm. lenses.....	3.14.6	Vitre
Chromium plated finish.....	3.16.6	Vitre chrom
Model IV for 3.5—5—13.5 cm. lenses	3.14.6	Vifur
Chromium plated finish	3.16.6	Vifur chrom
Solid leather case	0. 4.0	Viein

For special purposes, for instance for the Accessory for Single Exposures (see page 34) a simple viewfinder for a lens of 5 cm. focus is desired. This is exactly the same as the standard Leica finder which is fixed to every camera. We also supply a similar finder for use with the wide-angle lens of 3.5 cm. focus; like the other special lenses, this is slipped on to the camera.

A viewfinder which has been developed from the Sports Finder described in the following serves to determine the field of the wide-angle lens of 2.8 cm. focus; this is likewise slipped on to the camera.

Simple Viewfinder for lenses of 5 cm.

focus 1. 0.0 **Suwoo**

Special viewfinder for the wide-angle lens

Leitz "Elmar" 3.5 cm. 1. 7.0 **Weisu**

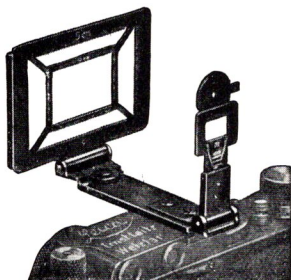
Ditto, chromium plated 1.11.6 **Weisu chrom**

Special viewfinder for the ultra-wide-angle

lens Leitz "Hektor" 2.8 cm. 3.12.0 **Suooq**

Ditto, chromium plated 3.19.0 **Suooq chrom**

The Frame Finder for the Leica camera



Can be highly recommended, especially for sports photography and for exposures from aeroplanes.

Its most noteworthy feature is that it covers all possibilities of use, because it is not only of service for the standard lens of 5 cm. (2 ins.) focal length, but also shows the angle of field for the 3.5 cm. and 9 cm. Leitz "Elmar" lenses, as well as the 7.3 cm. Leitz "Hektor" lens. By fixing a special mask on the front side to cut down

the angle of view it can also be adjusted for the long-focus Leitz lenses of focal length 10.5 and 13.5 cm., which are very often used in sports photography.

So as to facilitate the exact alignment of the narrow angle of view when the long-focus lenses are being used, and to exclude slight deviation of the line of sight to one side or the other, a pin-hole can be swung into position in front of the rear sighting aperture.

Parallax in the case of close-ups can be compensated for by vertical displacement of the back sight of the finder.

£ s. d. Codeword

Frame Finder for the Leica as described

above	1.10.6	Rasuk
Ditto, chromium plated	1.14.0	Rasuk chrom

Adjusting mask to fit, for the 10.5 and 13.5 cm. lenses

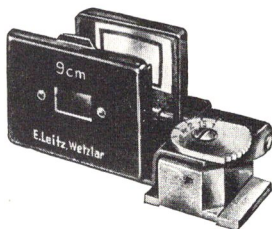
13.5 cm. lenses	0. 3.6	Ramet
Ditto, chromium plated	0. 5.0	Ramet chrom
	<hr/>	
	1.14.0	Rasal

Ditto, chromium plated	1.19.0	Rasal chrom
------------------------------	--------	--------------------

Deerskin purse for the above	0. 2.6	Rwboo
---	--------	--------------

The Sports Finder for the Leica

permits of still more convenient and accurate work, particularly with the lenses of longer focus, for which it is supplied. In a large field in which the object appears in natural size, the film area is indicated by a narrow, bright, easily visible frame. A rapidly moving object can therefore already be observed before it enters the image angle of the lens. In the case of close-ups, the parallax can be compensated for by rotating the index scale seen in the illustration.



The Sports Finder is only supplied for lenses of more than 5 cm. focal length.

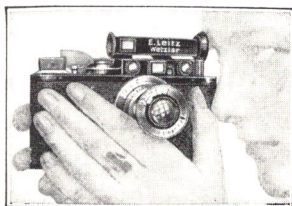
£ s. d. Codeword

Sports Finder for the Leica, as described above, for a focal length of 7.3 cm.	2.	0.0	Saioo
Ditto, chromium plated	2.	7.0	Saioo chrom
Sports Finder as "Saioo", but for 9 cm. focus	2.	0.0	Seroo
Ditto, chromium plated	2.	7.0	Seroo chrom
Sports Finder as "Saioo", but for 13.5 cm. focus	2.	0.0	Syeoo
Ditto, chromium plated	2.	7.0	Syeoo chrom
Case for one of these viewfinders	0.	3.0	Coolg

For further particulars see the pamphlet "Special Viewfinders for the Leica Camera".

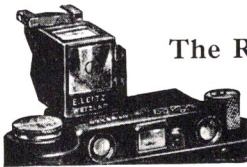
The Angular Viewfinder

makes it possible to take photographs inconspicuously while facing in a direction at right angles to that of the subject; one can, in a manner of speaking, photograph "round the corner" with it. It cannot be excelled for really natural pictures of figure studies, genre subjects and street scenes, taken without the persons included being conscious of the taking of the picture.



£ s. d. Codeword

Angular Viewfinder for the Leica Models II, III and IIIa, with swing-in prism for focusing at right angles	2. 0.0	Wintu
Chromium plated finish	2. 5.0	Wintu chrom
Solid leather case	0. 4.0	Wivoo
	2. 4.0	Wirin
Morocco leather purse for "Wintu"....	0. 2.0	Eurus
Deerskin purse for "Wintu"	0. 2.0	Eukol
Angular Viewfinder for the "Standard" Leica, without swing-in prism	1.14.0	Winko
Solid leather case	0. 4.0	Wiook
	1.18.0	Winek



The Reflecting Viewfinder

for the Leica camera will always be found particularly convenient in those cases in which a lower viewpoint is desirable, as for example in child photography and pictures of small animals. The bright image in the viewfinder, sharply cut off by the edges of the finder, appears upright and laterally correct. The margins of the image in the finder correspond with the Leitz "Elmar", Leitz "Hektor" or Leitz "Summar" 5 cm. in Leica negative size. Another model of this finder is provided with a negative front lens for use with lenses of 5 cm. or 3.5 cm. or 2.8 cm. focus as desired. Further details will be found in the pamphlet "Special Viewfinders for the Leica Camera".

£ s. d. Codeword


Reflecting Viewfinder for the Leica camera, for 5 cm. lenses	1.14.0	Aufsu
Solid leather case	0. 3.0	Aufet
	1.17.0	Aufor
Reflecting Viewfinder with negative front lens, for 5 cm. and 3.5 cm. lenses	2.16.6	Ayooc
Solid leather case	0. 4.0	Ethoo
	3. 0.6	Auoog
Converting a Reflecting Viewfinder model "Aufsu" into model "Ayooc"	1.14.0	
Reflecting Viewfinder with negative front lens, for 5 cm. and 2.8 cm. lenses	2.16.6	Ahoot
Solid leather case	0. 4.0	Ethoo
	3. 0.6	Ahpoo

Filters

The various filters supplied for use with the Leica camera are obtainable in screw-in or slip-on mounts*. While the slip-on filters can be used at the same time as front lenses by means of an intermediate ring (see under Front Lenses), this is not possible with the screw-in filters. As a protection against loss, the slip-on filters are provided with a clamping ring and fixing screw.

£ s. d. Codeword

Screw-in filters for Leitz "Elmar" 3.5 and 5 cm. only**:

Yellow filter No. 0, very light	0.11.6	Fixta
 Yellow filter No. 1, light	0.11.6	Firhe
Yellow filter No. 2, medium	0.11.6	Firmy
Green filter for panchromatic films ...	0.16.0	Fixio
Red filter for infra-red film, light	0.13.6	Fczoo
Red filter for infra-red film, medium	0.13.6	Fibob
Red filter for infra-red film, dark	0.13.6	Fdooh
U.V. protective filter for altitudes over 6000 feet	0.11.6	Fiore
Morocco leather purse for one of these filters...	0. 2.0	Euvil
Deerskin purse for one of these filters	0. 2.0	Eukut

Screw-in filters for Leitz "Summar" 5 cm., Leitz "Elmar" 9 cm., Leitz "Hektor" 2.8 cm. and 13.5 cm.:

Yellow filter No. 0, very light	0.18.0	Fimoo
Yellow filter No. 1, light.....	0.18.0	Fiooc
Yellow filter No. 2, medium.....	0.18.0	Favoo
Green filter for panchromatic films	1. 2.6	Fbxoo
Red filter for infra-red film, light	1. 0.0	Fnooy
Red filter for infra-red film, medium	1. 0.0	Fcooi
Red filter for infra-red film, dark	1. 0.0	Fnuoo
U.V. filter for altitudes over 6000 feet	0.18.0	Fbook
Morocco leather purse for one of these filters...	0. 2.0	Euvil
Deerskin purse for one of these filters	0. 2.0	Eukut

* If the screw-in filters are intended for Leica cameras having a serial number lower than No. 9500, this must be stated.

** For the Leitz "Hektor" 2.8 cm., only screw-in filters are supplied, as stated below.

Slip-on filters for Leitz "Elmar" 3.5 and 5 cm. only:

Yellow filter No. 0, very light ...	0.13.6	Fiuns
Yellow filter No. 1, light	0.13.6	Filby
Yellow filter No. 2, medium	0.13.6	Filge
Morocco leather purse for one of these filters	0. 2.0	Euvil
Deerskin purse for one of these filters	0. 2.0	Eukut

Slip-on filters for all Leica lenses except the Leitz "Hektor" F/1.9, 7.3 cm., Leitz "Thambar" F/2.2, 9 cm. and Leitz "Telyt" F/4.5, 20 cm.:

Yellow filter No. 0, very light .	0.18.0	Fihel
Yellow filter No. 1, light	0.18.0	Figro
Yellow filter No. 2, medium ...	0.18.0	Figam
Graduated yellow filter	1. 7.0	Firad
Green filter for panchromatic films	1. 2.6	Fipos
Red filter for infra-red film, light	1. 0.0	Fedoo
Red filter for infra-red film, medium	1. 0.0	Fikyb
Red filter for infra-red film, dark	1. 0.0	Feoog
U.V. protective filter for altitudes over 6000 feet	0.18.0	Fiola
Morocco leather purse for one of these filters...	0. 2.0	Euvil
Deerskin purse for one of these filters	0. 2.0	Eukut

Screw-in filters for Leitz "Hektor" F/1.9, 7.3 cm. only:

Yellow filter No. 0, very light..	1. 0.0	Fiwas
Yellow filter No. 1, light	1. 0.0	Fireg
Yellow filter No. 2, medium ...	1. 0.0	Fiwig
Green filter for panchromatic films	1. 9.6	Firyx
Red filter for infra-red film, light	1. 2.6	Fgooe
do., medium	1. 2.6	Fiplo
do., dark	1. 2.6	Fhood
U.V. protective filter for altitudes over 6000 feet	1. 0.0	Fiwet
Morocco leather purse for one of these filters...	0. 2.0	Euvat
Deerskin purse for one of these filters	0. 2.0	Eukab

Slip-on filters

for Leitz "Hektor" F/1.9, 7.3 cm. only:

Yellow filter No. 0, very light	1. 2.6	Fiopy
Yellow filter No. 1, light	1. 2.6	Filso
Yellow filter No. 2, medium ...	1. 2.6	Fippa
Graduated yellow filter	1.14.0	Figil
Green filter for panchromatic films.....	1.11.6	Fisap
Red filter for infra-red film, light	1. 5.0	Fmooz
do., medium.....	1. 5.0	Fiomu
do., dark.....	1. 5.0	Fmsoo
U.V. protective filter for altitudes over 6000 feet	1. 2.6	Fiosi
Morocco leather purse for one of these filters...	0. 2.0	Euvat
Deerskin purse for one of these filters	0. 2.0	Eukab



Screw-in filters for Leitz "Thambar" F/2.2, 9 cm. and Leitz "Telyt" F/4.5, 20 cm.*:

Yellow filter No. 0, very light	1. 2.6	Pooah
Yellow filter No. 1, light.....	1. 2.6	Poobv
Yellow filter No. 2, medium.....	1. 2.6	Pooci
Green filter for panchromatic films	1.11.6	Poodw
Red filter for infra-red film, light	1. 5.0	Poogl
Red filter for infra-red film, medium	1. 5.0	Pocek
Red filter for infra-red film, dark	1. 5.0	Poohy
U.V. protective filter for altitudes over 6000 feet	1. 2.6	Poofx
Morocco leather purse for one of these filters...	0. 2.0	Euvat
Deerskin purse for one of these filters	0. 2.0	Eukab

Slip-on filters for Leitz "Thambar" F/2.2, 9 cm. and Leitz "Telyt" F/4.5. 20 cm.:

Yellow filter No. 0, very light	1. 5.0	Pcoob
Yellow filter No. 1, light.....	1. 5.0	Peooz
Yellow filter No. 2, medium.....	1. 5.0	Pfooy
Graduated yellow filter	1.16.0	Pgoox

* These filters may only be used with the Leitz "Thambar" when the diaphragm is not screwed in place.

U.V. protective filter for altitudes over 6000 feet	1. 5.0	Phoow
Green filter for panchromatic films	1.14.0	Pioov
Red filter for infra-red film, light	1. 7.0	Pkoou
Red filter for infra-red film, medium	1. 7.0	Pmoos
Red filter for infra-red film, dark	1. 7.0	Pnoor
Morocco leather purse for one of these filters...	0. 2.0	Euvat
Deerskin purse for one of these filters	0. 2.0	Eukab

Lens Hoods



Lens hood for photographs in oblique front lighting with clamping ring and fixing screw for Leitz "Elmar" 5 cm.

0. 6.0 **Fison**

The same hood, chromium plated

0. 7.0 **Fison chrom**

Large lens hood, extensible, for all lenses except the Leitz "Elmar" 3.5 cm. and Leitz "Hektor" 7.3 cm. and 2.8 cm., also the Leitz "Summar" 5 cm., with clamping ring and fixing screw

0.18.0 **Fikus**

Lens hood for Leitz "Elmar" 3.5 cm. with clamping ring and fixing screw

0. 9.0 **Flqoo**

Lens hood for Leitz "Hektor" 7.3 cm. (supplied with the lens); as spare

0. 7.0 **Fghoo**

Lens hood for Leitz "Summar" 5 cm.

0.11.6 **Soomp**

Lens hood for Leitz "Hektor" 2.8 cm.

0. 9.0 **Soohn**

Supplementary Front Lenses



The supplementary front lenses are used for photographing small animals, plants, art objects, etc. at shorter distances than $3\frac{1}{2}$ ft., as well as for the copying of letters, illustrations, documents, etc.

They are achromatic positive lenses which have a strong converging action on the parallel or slightly converging rays in the beam falling on the lens, with the effect of bringing the

object nearer and increasing the size of the image. The exposure required remains the same when the front lens is used as with the Elmar lens without supplementary front lens.

The supplementary front lenses are only supplied for the lenses of 5 cm. focus; they are merely screwed into place in the front of the lens mount. In the case of the "Summar" lens F/2, a special intermediate ring is necessary.

Exact data as to the appropriate lens focus, distance and permissible dimensions of the object, as well as the degree of reduction obtained and the depth of focus, can be ascertained from our "Tables for the Leica Camera".

L. s. d. Codeword

Front lens No. 1 for the Standard 5 cm. Leitz

"Elmar" lens, for objects of size $16^9/16 \times 24^{13}/16$ ins. to $8^9/16 \times 12^7/8$ ins., at distances from $39^{1/2}$ to $22^9/16$ ins. (reduction obtainable 1:9) 1. 2.6 **Elpro***

Ditto No. 2 for objects of size $8^7/16 \times 12^5/8$ ins. to $5^5/8 \times 8^{1/2}$ ins., at distances from $21^9/16$ to $15^{15}/16$ ins. (reduction obtainable 1:6) 1. 5.0 **Elpik***

Ditto No. 3 for objects of size $4^{1/4} \times 6^5/16$ ins. to $3^3/8 \times 5$ ins., at distances of $12^{1/4}$ to $10^{11}/16$ ins. (reduction obtainable 1:3.5) 1.11.6 **Elpet***

Intermediate ring for the use of the front lenses in conjunction with slip-on filters 0. 1.6 **Firgi**

Morocco leather purse for one of these front lenses 0. 2.0 **Euvil**

* If the supplementary front lenses are intended for Leica cameras with a lower serial No. than 9500, this fact must be specially stated.

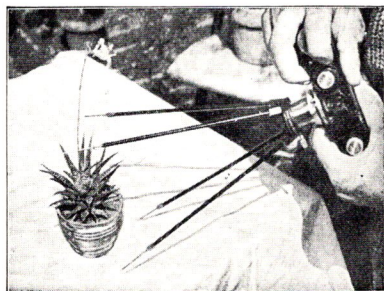
£ s. d. Codeword

Deerskin purse for one of these front lenses . . . 0. 2.0 **Eukut**

Intermediate ring for the use of the Leitz
"Elmar" front lenses with the Leitz "Summar"
5 cm. 0. 3.6 **Vmcoo**

Setting Device "Beooy" for the use of supplementary front lenses

Simplifies setting the camera to the correct distance from the
object and the rapid adjustment of the margins of the picture



in exposures made with the
No. 2 and No. 3 supplement-
ary front lenses. It is very
popular for exposures of
small animals, plants, and art
objects, as well as for copying
documents and drawings.

The device consists of four
extensible legs adjustable
for various object distances,
together with a clamping
ring by which it is firmly
attached to the lens mount

(see illustration). The field of view is defined by the points of
the four legs. A full description is contained in our list "Auxiliary
Reproduction Devices".

£ s. d. Codeword

Setting Device for the Leica with 5 cm. Leitz
"Elmar" lens in conjunction with supplementary
front lens No. 2 or 3, for objects up to about
 $8\frac{1}{2} \times 5\frac{5}{8}$ ins. in size 1. 9.6 **Beooy**

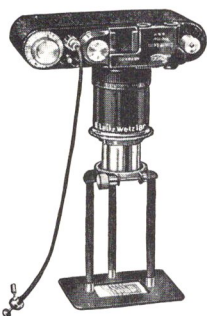
Four interchangeable intermediate rods for
the "Beooy", for exposures with supplementary
front lens No. 2 with helical focusing mount set
to ∞ (infinity) for objects up to about $12\frac{5}{8}$
 $\times 8\frac{7}{16}$ ins. in size 0. 9.0 **Betab**

Auxiliary Devices for Photographing small Objects

These accessories are made in two different forms, one for **equal-size reproduction** and one for **exposures with scales of reduction of $1:1\frac{1}{2}$, $1:2$ and $1:3$** . Each of these two devices can be supplied either for the Leitz "Elmar" 5 cm. and Leitz "Summar" 5 cm., or for the Leitz "Elmar" F/3.5, 3.5 cm. The range of use of these devices covers small objects of every imaginable kind, e. g. coins, postage stamps, tiny animals, insects and plants, art objects, etc.; they are also eminently suitable for legal purposes, such as the photography of finger-prints, handwriting tests, etc. and for clinical subjects.

For exposures in natural size

£ s. d. Codeword



Auxiliary Device for the Leica with 5 cm. Leitz "Elmar" lens for exposures in natural size (scale of image $1:1$), consisting of lens collar engraved $1:1$ and special stand as shown in the adjoining illustration

2. 0.0 Belun

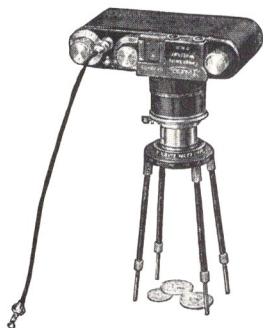
The same device, but for the Leitz "Summar" 5 cm.

2. 0.0 Besum

The same device, but for the Leitz "Elmar" 3.5 cm.

2. 0.0 Beins

For exposures at ratios of reduction of $1:1\frac{1}{2}$, $1:2$ and $1:3$.



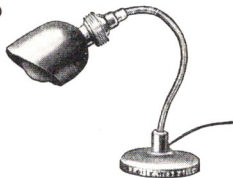
Auxiliary device for the Leica with Leitz "Elmar" or Leitz "Summar" 5 cm. for exposures at a small scale of reduction (scale $1:1\frac{1}{2}$, $1:2$ and $1:3$), consisting of three different lens collars, engraved $1:1.5$, $1:2$ and $1:3$, stand with universal clamping ring, and four displaceable legs as shown in the adjacent illustration

2.16.6 Behoo

The same device, but for Leitz "Elmar" 3.5 cm Universal setting device , combining the uses of the "Beeoy", "Behoo" and "Betab" devices, consisting of a universal clamping ring, with the four legs each of the devices "Beeoy" and "Behoo", three lens collars engraved 1:1.5, 1:2 and 1:3, and four intermediate rods as for the "Betab" device	2.14.0 Bekur
Three milled legs of the device "Besum" to complement the device "Belun"	4. 1.0 Bazoo
	0. 7.0 Betry

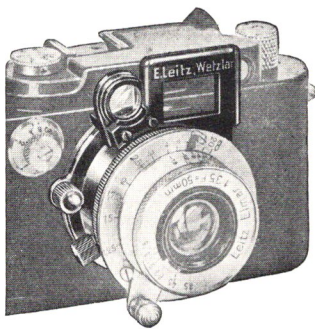
Small Illuminating Lamp

For use with the auxiliary devices, with a circular base and flexible metallic support capable of being bent in any direction, including 25 watt lamp for direct connection to the mains



.....	1.14.0 Belos*
Spare bulb for "Belos"	0. 4.6 Berat*
Short wire release with fixing screw	0. 2.6 Finot
Wire release 20 ins. long	0. 3.0 Opkom
Wire release 10 ft. long , for operation from a distance	0.11.6 Fidri
Ditto. 20 ft. long	0.13.6 Fisex

Optical Near Focusing Device



The optical near focusing device permits of making use of the advantages offered by the automatic coupling between the Leica lens and the rangefinder for focusing, even for close-ups below 3.5 feet. With this device, all distances between 3.5 ft. and $17\frac{3}{8}$ ins. can be focused with the greatest rapidity and accuracy. The device consists of an intermediate focusing thread which is screwed into the objective changing flange of the Leica. The

* When ordering, please state voltage.

intermediate focusing thread incorporates a glass wedge which is situated in front of one opening of the rangefinder; this deflects the rays proceeding from the object in a suitable manner; furthermore a field stop actuated by a cam which is situated in front of the normal direct vision viewfinder of the Leica. This field stop corrects both the parallax error and the reduction in the field occasioned when taking close-ups. The intermediate focusing thread is provided with a bayonet changer in which any Leica lens of 5 cm. focus can be inserted. It is supplied in two models, one for the Leitz "Elmar" 5 cm., and the other for the Leitz "Summar" 5 cm.—When the intermediate focusing thread is completely extended (object distance $17\frac{3}{8}$ ins.) the resulting reduction on the negative is approximately $\times 6$.

£ s. d. Codeword

Optical near focusing device	5.12.6	Nooky*
The same device chromium plated	5.14.6	Nooky chrom

The Panoramic Tripod Head



Angular bracket, case level, panoramic head
ball-jointed head and interchangeable scale rings

The panoramic tripod head is made to take interchangeable scale rings, each of which has a number of notches corresponding to the image angle of the lens with which it is used. A spring catch engages in these notches. When using the panoramic tripod head, the camera must lie exactly horizontal or vertical; to ensure this, a case level is used. For panoramic exposures with the heavy lenses of 7.3 to 10.5 cm. focus, we recommend the use of a special lateral holder, so as to avoid straining the lid of the Leica. See

* If the intermediate focusing thread for the Leitz "Summar" 5 cm. is required, the additional codeword "Hesum" must be added to this codeword. Chromium £ 0.2.0 extra.

also our special list "Leitz Panoramic tripod head with interchangeable scale rings".

£ s. d. Codeword

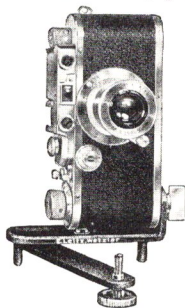
Panoramic tripod head with interchangeable scale ring for lenses of 5 cm. focus	1. 2.6	Farux
Scale ring , interchangeable, for Leitz "Hektor" 2.8 cm.	0. 6.0	Foonw
Scale ring , interchangeable, for Leitz "Elmar" 3.5 cm.	0. 4.6	Faros
Scale ring , interchangeable, for Leitz "Hektor" 7.3 cm.	0. 7.0	Fawag
Scale ring , interchangeable, for Leitz "Elmar" 9 cm.	0. 7.0	Facis
Scale ring , interchangeable, for Leitz "Elmar" 10.5 cm.	0. 7.0	Faski
Scale ring , interchangeable, for Leitz "Hektor" 13.5 cm.*	0. 4.6	Farly
Scale ring , interchangeable, for Leitz "Telyt" 20 cm.*	0. 6.0	Fooql
Angular bracket for the panoramic head	0.12.6	Fiavi
Case level to place on the Leica	0. 7.0	Doolu
Case level , chromium plated	0. 9.6	Doolu chrom
Ball-jointed tripod head , chromium plated, also for use without the panoramic head for tripod exposures	0.10.6	Fiaku
Large ball-jointed head of specially strong construction, particularly for lenses of longer focus	1. 7.0	Kgoon
Curved lateral holder , to protect the lid of the Leica	0. 3.6	Vezuk
Tripod head with spring catch for rapidly fixing the camera to the tripod	0.11.6	Sdoog

Table Stand

The table stand for the Leica can be placed horizontally as well as inclined to a considerable degree by means of a milled setting screw. When collapsed, it takes up very little space.

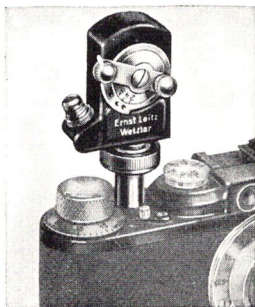
£ s. d. Codeword

Table stand for the Leica	1. 2.6	Toosf
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* Engraved for horizontal panoramic photographs only. With these lenses the panoramic head must be screwed into the tripod thread of the lens, not in the camera. For these lenses the large ball-jointed head "Kgoon" must be used; this is also advisable with the other lenses on account of its stronger and more rigid design.

Slow-Speed Attachment



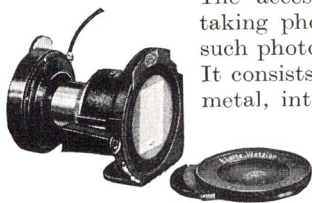
The slow-speed attachment gives to the Leica models I, II and "Standard" the advantages of the slow instantaneous speeds which distinguish the model III. See also our special list "Slow-speed attachment for the Leica camera".

£ s. d. Codeword

Slow-speed attachment
for the Leica models I,
II and "Standard", to
permit of instantaneous
exposures from $\frac{1}{8}$ to

1 second	3. 1.0 Heboo
Case for this	0. 2.0 Etoaq
Slow-speed attachment with case	3. 3.0 Heool

Leica Accessory for Single Exposures



The accessory for single exposures serves for taking photographs on special kinds of film or such photographs as must be developed at once. It consists of a black enameled housing of light metal, into the rear of which the ground glass screen or the film slide are inserted, while the Leica lens is screwed into the front. Any of the well-known Leica viewfinders can be placed on

top of the accessory (see pages 18—23). The housing has no shutter. Hence we supply an Ibsor shutter to clamp to the front of the lens mount; this allows of time exposures and also of instantaneous exposures from 1 to $\frac{1}{125}$ second.

See also our special leaflet "Leica accessory for single exposures".

£ s. d. Codeword

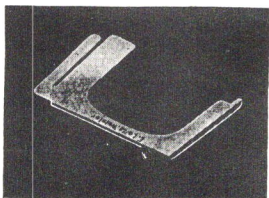
Leica accessory for single exposures, consisting of light metal housing, ground glass screen and Ibsor shutter, for the lenses Leitz "Elmar" 3.5 cm., 5 cm. and 10.5 cm., with one film slide, without viewfinder and without lens.....

5. 8.0 **Oleyo**

£ s. d. Codeword

Film slide extra	0.18.0	Kooas
Simple viewfinder for a lens of 5 cm. focus ..	1. 0.0	Suwoo
Leica accessory as "Oleyo", but with large Ibsor shutter for all lenses except Leitz "Thambar" 9 cm., Leitz "Telyt" 20 cm. and Leitz "Hektor" 7.3 cm. and 13.5 cm.	5.15.0	Oligo
To hold firmly the pieces of film during develop- ing and fixing, the holder " Fialt " may be used with advantage	0. 1.6	Fialt

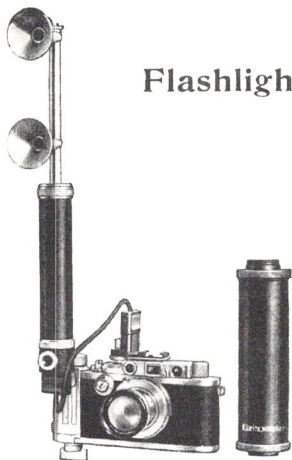
Single Film Holder. To permit of making single exposures on separate short film strips we have also brought out a single film holder which is inserted into the Leica. This can, however, only be done in the darkroom and, in order to avoid scratching, only film with an emulsion protecting layer should be used.



£ s. d. Codeword

Single film holder for
the Leica 0. 4.6 **Fhkoo**

Flashlight Attachment for the Leica

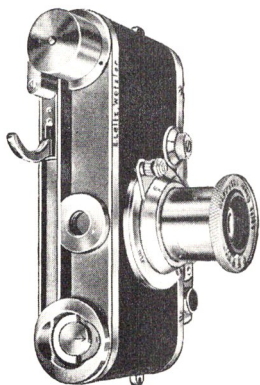


This flashlight attachment has been specially designed for the Leica. It ensures that the contact which fires the flashlight bulbs and the release of the shutter of the Leica are absolutely simultaneous. A special feature of the attachment is that the flashlight itself can be used even at a distance from the camera in order to obtain side illumination, to give greater contrast, or even a very effective "against the light" effect. For particulars see special leaflet "Flashlight attachment".

- Flashlight Attachment**, complete for Leica Models II, III and IIIa, without battery or bulbs 5. 1.6 **Bt100**
- Flashlight Attachment**, complete for the "Standard" Leica, without battery or bulbs 5. 1.6 **Btook**
- Extra battery container**, without battery, for greater distances between camera and flashlight 1. 7.0 **Bwoog**
- Shutter speed dial** as spare, 13.8 mm. diameter, with fixing screws (free of charge) **Shxoo**

Rapid Winding Device for the Leica

The Rapid Winding Device enables one to take a series of photographs consecutively and with the greatest rapidity. It consists of a Leica lid which can be interchanged with the ordinary one. On this lid there is a lever moving in a slot, by manipulating which after the manner of a trigger with one finger of the left hand the shutter can be set and the film wound on, while the right hand is free to depress the release button repeatedly. This procedure can be repeated rapidly until the end of the film is reached.



£ s. d. Codeword

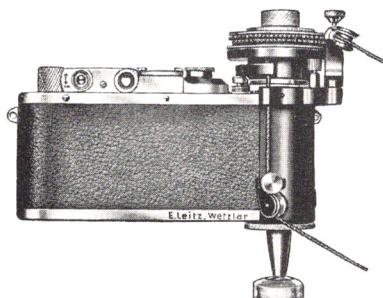
Rapid Winding Device

for the Leica 3. 7.6 **Scn00**

Ditto, chromium plated 3.14.6 **Scn00 chrom**

Remote Release and Winder for the Leica

This device enables the Leica to be used when for any reasons the operator must place himself at some distance from the camera,



for instance, when photographing animals in their natural surroundings. Details are contained in the special leaflet "Remote Release and Winder".

£ s. d. Codeword

Remote Release and Winder for the Leica ... 3.19.0 0ofrc

Attachments for Stereoscopic Work



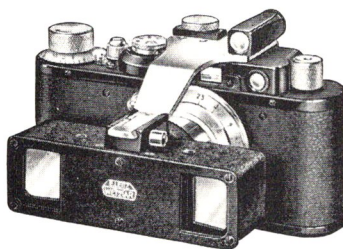
£ s. d. Codeword

The Stereo Slide

permits the making of stereo-pictures of stationary objects by sideways movement of the camera between the two exposures. In general a displacement of about 65—75 mm. ($2\frac{1}{2}$ —3 ins.) is preferred; the slider is marked at the 75 mm. distance. For long-distance exposures without foreground the lateral displacement may be extended to 150 mm. (6 ins.), in order to obtain a satisfactory stereoscopic effect

1. 2.6 Fiate

Leica "Stereoly" Stereo Attachment



for the 5 cm. Leitz "Elmar" and Leitz "Summar" lenses renders it possible, in contrast to the "Fiate" stereo slide, to take stereoscopic pictures even of moving objects: it thus gives the Leica the possibilities of a stereo-camera.

The special arrangement of prisms contained in the patented attachment permits full use of the optical properties of the lens at all times. The two stereo-pictures are each upright and of size 18×24 mm. ($1 \times \frac{3}{4}$ inch).

The increase in exposure at fairly large apertures scarcely amounts to 1.5 times, and at smaller apertures from F/12.5 downwards only 1.1 times.

Full details are contained in the special list "The Leica Stereo Attachment Stereoly".

£ s. d. Codeword

Stereo Attachment for Leica Models II, III and IIIa in leather case	7. 6.6	Vorsa
Ditto for "Standard" Leica	7. 6.6	Vostn

Stereo Viewing Apparatus

For viewing pictures made with the stereo attachment use is made of a viewing apparatus specially designed for this purpose, which gives a completely faithful representation of stereoscopic relief. The two eyepieces of the device are movable and can be adjusted to the condition and separation of the eyes of the individual user.

The stereo transparencies are made by means of the "Eldia" or "Kofim" printing apparatus (see pp. 47 and 49). The printing process is exactly the same as the making of ordinary positive films.

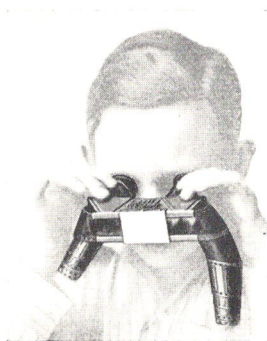
The reversal of the two images which is usually necessary is thus completely eliminated and this represents a special advantage of the stereo attachment.

Enlargements of the stereo negatives made in the usual fashion can also be viewed by means of a stereoscope of the normal type.

Full details are contained in the special list "The Leica Stereo Attachment 'Stereoly'".

£ s. d. Codeword

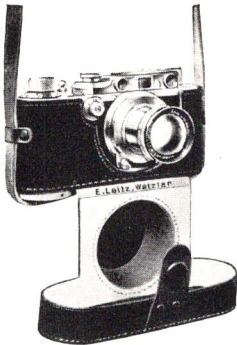
Stereo viewing apparatus in case	7.17.6	Votra
Stand with round base for supporting stereo viewing apparatus	0.16.0	Votiv



Leather Containers for the Leica and Accessories

£ s. d. Codeword

Ever-ready cases for the Leica:



Ever-ready case, velvet lined, with holding screw and sling strap, for the Leica models "Standard", II, III or IIIa, with Leitz "Elmar" 5 cm., alone ...
Ditto, but with room for the angular viewfinder ..
Ditto, but for the "Standard" Leica with range-finder
Ditto, but for the Leica with Leitz "Summar" 5 cm. lens

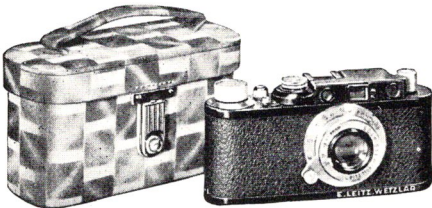
1. 7.0 Esnar
 1.10.0 Esmal
 1. 7.0 Esmos
 1. 8.0 Esfus

Small leather cases and purses:

Morocco leather purse with clip fastening, for the Leica models "Standard", II, III or IIIa with Leitz "Elmar" or Leitz "Summar" 5 cm.
 The same purse of **deerskin**
 The same purse of **calf-leather** (green, blue, red, brown)

0.10.0 Ettas
 0.10.0 Ettel
 0.12.0 Epoch

The case for the lady:



Camera case of coloured calf-leather (uniformly coloured green, red, lilac, dark brown and light brown, as well as chequered browns)

2.10.0 Etkal

4



Leather cases for the Leica with accessories:

£ s. d. Codeword

Brown solid leather case (about $6\frac{3}{4} \times 4\frac{1}{2} \times 2$ ins.) with sling strap, for the Leica, angular viewfinder (or rangefinder of the "Standard" Leica) and two extra spool chambers . . .

1. 6.0 Etrin

Brown solid leather case (about $7 \times 6 \times 2\frac{1}{4}$ ins.) with sling strap, for the Leica models II, III or IIIa with two lenses, viz. Leitz "Elmar" 5 cm. and 9 cm. or 10.5 cm., as well as the "Vidom" universal viewfinder, three yellow filters and one extra spool chamber

1.10.0 Ettwo

Brown solid leather case (about $6\frac{1}{4} \times 6\frac{1}{4} \times 3\frac{1}{4}$ ins.) with sling strap, for the Leica with three lenses, viz. Leitz "Elmar" 5 cm., Leitz "Hektor" 7.3 cm. (or Leitz "Elmar" 9 cm. or 10.5 cm.), Leitz "Elmar" 3.5 cm. (or Leitz "Hektor" 2.8 cm. or Leitz "Summar" 5 cm.), as well as the "Vidom" universal viewfinder, angular viewfinder (or rangefinder of the "Standard" Leica), two filters, two supplementary front lenses and one extra spool chamber

2.16.0 Ettre



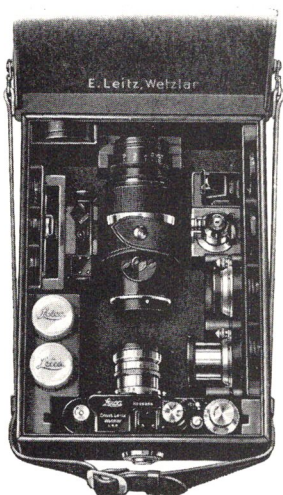
Brown solid leather case (about $7\frac{1}{4} \times 10 \times 3\frac{1}{4}$ ins.) with sling strap, **for the Leica with 4 lenses**, viz. Leitz "Elmar" 3.5 and 5 cm., Leitz "Hektor" 2.8 cm. or Leitz "Summar" 5 cm., Leitz "Hektor" 13.5 cm. or Leitz "Elmar" 9 cm. or 10.5 cm. or "Hektor" 7.3 cm., as well as the Universal Finder "Vidom", Angular Viewfinder (or rangefinder of the "Standard" Leica), Reflecting Viewfinder, 5 filters, 3 supplementary front lenses and 2 extra spool chambers.....

3. 0.0 Etneu

Brown solid leather case (about $7\frac{3}{4} \times 9\frac{3}{4} \times 3\frac{1}{4}$ ins.) with sling strap **for the Leica with 5 lenses**, Leitz "Elmar" 3.5 and 5 cm., Leitz "Hektor" 2.8 cm or Leitz "Summar" 5 cm., Leitz "Hektor" 13.5 cm. or Leitz "Elmar" 9 cm., Leitz "Hektor" 7.3 cm. or "Elmar" 10.5 cm., as well as Universal Finder "Vidom", Angular Viewfinder, (or rangefinder of the "Standard" Leica), Reflecting Viewfinder, Frame Finder, 5 filters, 3 supplementary front lenses, 1 Agfa-Colour filter or a large lens hood, also 3 extra spool chambers

3.12.0 Etgus

Brown solid leather case (about $9 \times 11\frac{3}{4} \times 3\frac{1}{4}$ ins.) with sling strap **for the Leica with 7 lenses**, viz. Leitz "Elmar" 5 cm., 3.5 cm., 9 cm., 10.5 cm., Leitz "Hektor" 2.8 cm., 7.3 cm. and



13.5 cm., as well as Universal Viewfinder "Vidom", Angular Viewfinder (or rangefinder of the "Standard" Leica), Reflecting Viewfinder, 4 filters, 3 supplementary front lenses and 2 extra spool chambers ...

4. 0.0 Etmax

Leather cases

for the separate lenses:



Solid leather case without strap for the Leitz "Elmar" 3.5 cm. or Leitz "Hektor" 2.8 cm.

Ditto for the Leitz "Elmar" 5 cm.

Ditto for the Leitz "Summar" 5 cm.

Solid leather case with shoulder strap for the Leitz "Hektor" 7.3 cm.

Ditto for Leitz "Elmar" 9 cm.

Ditto for Leitz "Thambar" 9 cm.

Ditto for Leitz "Elmar" 10.5 cm.

Ditto for Leitz "Hektor" 13.5 cm.

Ditto for Leitz "Hektor" 7.3 cm. and "Elmar" 3.5 cm. or "Hektor" 2.8 cm.

Ditto for Leitz "Hektor" 13.5 cm. and 2.8 cm. or Leitz "Elmar" 3.5 cm.

Solid leather case for Leitz "Telyt" with mirror reflex arrangement

Brown solid leather case for Leitz "Telyt" with mirror reflex arrangement and Leica with 5 cm. lens, Leitz "Hektor" 13.5 cm. lens, rapid winder and 4 filters

Deerskin purse with clip fastening f. Leitz "Elmar" 3.5 or 5 cm. or for Leitz "Hektor" 2.8 cm.

Ditto for Leitz "Summar" 5 cm.

Ditto for Leitz "Hektor" 7.3 cm.

Ditto for Leitz "Elmar" 9 cm.

Ditto for Leitz "Elmar" 10.5 cm.

Ditto for Leitz "Hektor" 13.5 cm.

0. 6.0 Etila

0. 6.0 Etime

0. 6.0 Etbix

0.16.0 Etinx

0.16.0 Etini

0.18.0 Eqoot

0.18.0 Etiff

0.18.0 Etipo

1. 0.0 Etosa

1. 0.0 Etisy

3. 0.0 Emtoo

3.12.0 Eyool

0. 7.0 Ettig

0.10.0 Etbul

0.10.0 Ettox

0.10.0 Etton

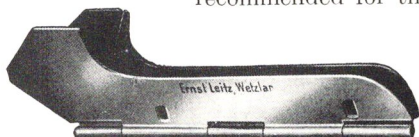
0.10.0 Ettyr

0.11.0 Ettum

Smaller containers for rangefinders, yellow filters, supplementary front lenses, special viewfinders, etc. will be found listed with these articles.

Accessory Equipment for the Darkroom

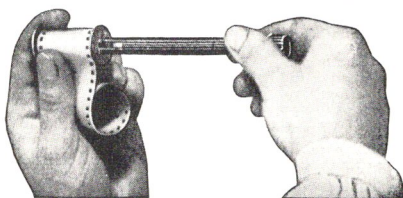
The **trimming template for Leica films** is greatly to be recommended for the correct trimming of Leica films. Trimming that is not carried out exactly in the prescribed fashion may easily cause jamming of the camera mechanism.



£ s. d. Codeword

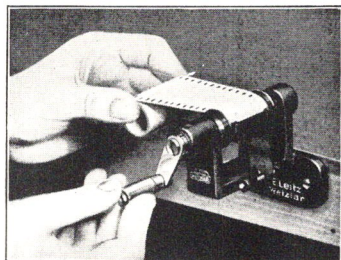
Trimming template for Leica models "Standard", II and III 0. 6.0 **Ablon**
Trimming template for the Leica 250 0. 7.0 **Anzoo**

The **Hand Film winder** greatly facilitates the winding of the film on to the centre spool. A convenient and very practical accessory



0. 2.0 **Agrif**

The **mechanical winder** serves in the same way for winding the film on to the centre spool. It permits extremely rapid working and can be used for all spool chambers for Leica films, particularly those for the Leica 250 1. 3.0 **Afluo**



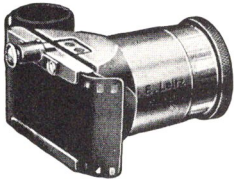
The film cutting knife

permits of cutting the film within the camera, and is particularly recommended when using the Leica 250. With case

0. 7.0 Abcoo

The Leica negative viewer

is of great service in examining and selecting the individual images of a film strip with respect to their pictorial qualities and suitability for enlargement. A small punching device is provided for clearly marking the selected negatives in such a way that they can be detected even in a dimly lit darkroom by the feel of



the nick which is made in the film. In the case of numbered films, the number of the negative is simultaneously visible in the viewing aperture. The magnification is about $\times 5$

2. 2.0 Natra

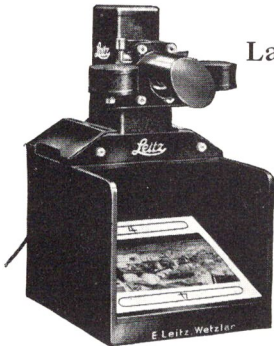
The same viewer, but with handle

2. 5.0 Nakul

Small opal glass plate for placing in position in front of the negative viewer; gives an evenly illuminated field of view and in this way facilitates use

0. 6.0 Namas

Large negative viewer

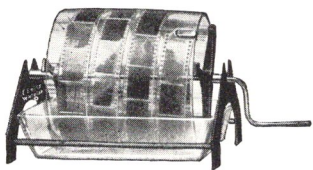


Negative viewing arrangement for projecting negatives for the purpose of examination, without projector (the Small Projectors VIIla or "Standard" may be used with it)

6. 1.6 Hatuu

Developing Apparatus

The Leica Developing Drum



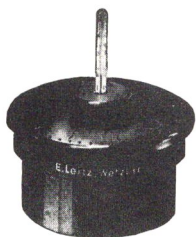
is especially suitable for rapid film development, as it allows constant observation of the film as development proceeds.

£ s. d. Codeword

Leica Developing Drum consisting of: rotating glass cylinder, metal support and two glass dishes 13 × 18 cm. ($7\frac{1}{4} \times 5\frac{1}{4}$ ins.)	1.10.6	Fiman
Metal support alone (without glass cylinder, handle and glass dish)	0. 6.0	Fimor
Axle with handle and spokes (without glass cylinder)	0.12.6	Fidax
Glass cylinder without axle and handle, as spare	0. 6.0	Ficyl
Glass dish , 13 × 18 cm. ($7\frac{1}{4} \times 5\frac{1}{4}$ ins.)	0. 2.6	Fisul
Film clip for the drum, as spare	0. 1.0	Fixam
Holder for holding single negatives for after-treatment	0. 1.6	Fialt

The Leica-Correx Developing Tank

The Leica-Correx Developing Tank is preferable for tank development by the time-and-temperature method, but is also suitable for rapid development if desired. It is also very popular for travelling purposes, since it is completely light-proof when



the cover is in place, so that the development, rinsing, fixing and washing of the film can be carried out by daylight. It is only necessary for the film to be placed in the tank by red light (or green light if panchromatic film) or in darkness.

See also our special list "Developing and Printing Apparatus for Leica Films".

£ s. d. Codeword

Leica-Correx Developing Tank, 12 ozs. capacity
(diameter about $4\frac{3}{4}$ ins.), with Correx band
moulded on one side for films without backing ... 1. 2.6 **Cordo**

Empty tank alone; 12 ozs. capacity 0.10.0 **Corle**

Slip-in spool for the above 0. 7.0 **Corsu**

Correx band, moulded on one side, with clip 0. 6.6 **Corba**

Twisting knob 0. 2.0 **Costi**

Leica-Correx Developing Tank, $17\frac{1}{2}$ ozs.
capacity (diameter about $5\frac{3}{4}$ ins.), with Correx
band moulded on both sides, suitable also for films
with backing 1. 7.0 **Corun**

Empty tank alone, $17\frac{1}{2}$ ozs. capacity 0.11.6 **Corol**

Slip-in spool for the above 0. 7.6 **Corid**

Correx band, moulded on both sides with clip 0. 8.6 **Coryb**

Twisting knob 0. 2.0 **Costi**

Correx band moulded on one side, about 13 ft.
long, for 2 Leica films, with clip 0.15.6 **Coofr**

Small thermometer for measuring the developer
temperature with the tank closed 0. 2.6 **Coret**

For the Leica 250 a developing apparatus for 33 ft. of film is
available.

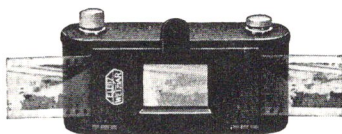
Printing Apparatus

The Leitz "Eldia" Printer

serves for the making of contact prints from original Leica negatives on positive film strips for projection purposes or on bromide paper. A special printing aperture which is supplied to order also facilitates the making of prints from cine negatives of size $1 \times \frac{3}{4}$ inch. The negative film can be inserted and moved independently of the positive film, so that the prints can be made in any desired number or order. The spools in the printer accommodate a film strip of length fully 10 ft.

Positive films

for amateur printing are supplied by the well-known film makers in the usual Leica-film length, namely 63 ins., in tins of three, and are obtainable from photographic dealers. A pamphlet containing instructions for use is supplied with every printer. For further details see special list.

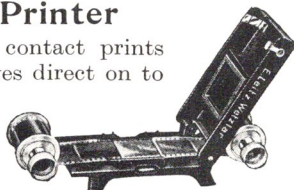


£ s. d. Codeword

Leitz "Eldia" Printer	3. 3.0	Eldia
Film window-plate for $1 \times \frac{3}{4}$ inch pictures	0.11.6	Elkin

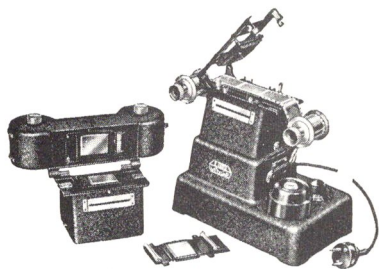
The "Eldur" Slide Printer

serves for the making of contact prints from original Leica negatives direct on to 5×5 cm. (2×2 ins.) lantern plates*. It makes this work very easy and convenient.



Leitz "Eldur" Slide Printer	3. 3.0	Eldur
Metal pressure plate to fit, for contact printing on paper	0. 2.6	Elgla

* Supplied by the firms of Ilford, Agfa, Gevaert, Mimosa and Perutz.



Large Slide Printer for 2×2 inch Glass Slides and Film Strips.

Though the requirements of the amateur are completely satisfied by the small "Eldia" and "Eldur" printers, they are not fully adequate for the needs of

the photographic dealer or even for the Leica user who continually makes slides in considerable numbers. For these purposes our large Leica lantern slide printer is much more suitable. It meets all the demands which can be made of such an apparatus:—
Solid and durable all-metal construction.

Rapid and convenient operation with small demands on space and low working costs.

Arranged for printing 2×2 inch glass slides and positive film strips from Leica negatives.

Suitable also for the small sizes, $1 \times \frac{3}{4}$ ins., 3×4 cm., and 4×4 cm.

Viewing device for the numbering of the Leica films.

Possibility of examining the density of the negatives in white light.

Light source adjustable in intensity.

Facility for viewing the negative at all times.

Device for holding back too light parts of the negative during the exposure.

Provision for affixing an exposure timer.

For further details see special list No. 7323.

Leitz Large Slide Printer for making Leica 2×2 in. glass slides, consisting of:

£ s. d. Codeword

Base housing with 15 watt lamp for direct connection to the lighting circuit, intensity adjustable by means of the built-in variable resistance, opal glass disc for diffused lighting, red observation light, light switch, connection for exposure timer, two negative film spools on holders and flex with plug and socket

6.15.0 Kolom*

* When ordering, please state voltage.

£ s. d. Codeword

Base housing (see page 48) 6.15.0 **Kolom***

In addition, **glass slide attachment for 2 × 2 in. plates**, film movement with $1\frac{1}{2} \times 1$ in. image aperture and rubber-lined pressure plate

	3. 1.0	Kogla
	9.16.0	Kovir*

Film window-plate $1 \times \frac{3}{4}$ inch for the glass slide attachment 0. 9.0 **Koref**

Ditto 3×4 cm. 0.12.6 **Konaf**

Ditto 4×4 cm. 0.15.6 **Kodre**

2 negative film spools for 3×4 and 4×4 cm. films 0. 6.0 **Kosus**

Slip-on attachment for contact printing on paper 0. 2.6 **Elgla**

Leitz Large Slide Printer for the making of Leica film strips, consisting of:

Base housing as described above 6.15.0 **Kolom***
In addition:

Positive Film Attachment with film movement and $1\frac{1}{2} \times 1$ inch window-plate, reversible positive-film housing with two spools holding up to 33 ft., sprocket drive with catch device, red viewing window and glass pressure plate for the film 7. 6.6 **Kotos**

	14. 1.6	Kofim*
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Leitz Universal Diapositive Printer for making Leica 2×2 in. glass slides and Leica film strips, consisting of base housing, glass slide attachment and positive film attachment, as described above 17. 2.6 **Kopat**

Large Diapositive Printer for the production of Leica and cinema size film strips, consisting of:

* When ordering, please state voltage.

Base housing as described above 6.15.0 **Kolom**
and in addition

Positive Film Attachment with film guide and
interchangeable windows 24×36 and 18×24 mm.,
hinged film housing with two spools taking up
to 30 ft. of film, sprocket drive with catch device,
red viewing window and film pressure plate ... 9. 0.0 **Koohi**

15.15.0 **Koora**

15 watt lamp as spare 0. 4.6 **Oslam***

Red viewing lamp as spare 0. 8.0 **Osrot***

The Making of Leica Glass Lantern Slides:

The coated face of the 2×2 inch Leica lantern slide made in the printer is covered with a glass cover plate, a suitable mask being laid between, and bound round the edges. It is particularly advantageous to use masks cut from tinfoil, which should be so placed that the bright side faces the lamp when in the projection lantern, in order that the light and heat rays falling upon it may be reflected.

In the same way positive films can be used to make glass slides of size 2×2 inches (one picture) or $4\frac{3}{4} \times 1\frac{1}{2}$ ins. (three pictures), by cutting up the film strip, placing the separate sections with suitable masks between two glass plates and binding the edges. No masks are necessary for the narrow glass slides of size $4\frac{3}{4} \times 1\frac{1}{2}$ ins.

£ s. d. Codeword

100 glass plates 2×2 ins. 0. 9.0 **Uglit**

100 glass plates $4\frac{3}{4} \times 1\frac{1}{2}$ ins. 0.11.6 **Uglas**

100 black paper masks, size 2×2 ins. with
 $1\frac{1}{2} \times 1$ ins. aperture 0. 2.6 **Umask**

100 tin foil masks, size 2×2 ins. with $1\frac{1}{2} \times 1$ in.
aperture 0. 7.0 **Ustol**

1 roll of gummed binding paper, to be
moistened for use, 325 ft. 0. 2.0 **Umkle**

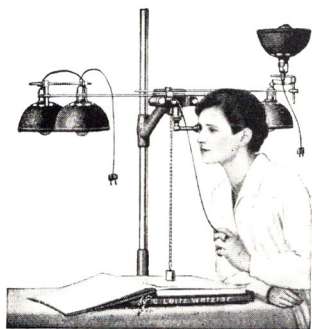
* When ordering, please state voltage.

Copying Devices

Miniature photography is ideal for making reproduction photographs, as it allows of producing large numbers of negatives or glass slides with the minimum expense and with great rapidity; these can be stored, transported or reproduced by means of enlargement or projection in the most convenient way. Our copying devices are eminently suitable for scientific and industrial photographs of all kinds.

See also our special booklet "Copying Equipment for use in Conjunction with the Leica".

I. Special Copying Devices



A. Large Copying Device for objects up to about 42×63 cm. (25×17 ins.) in size

This model is very popular on account of its low price and as it is suitable for many kinds of copying work. It consists of a base-board with 40 in. (100 cm.) upright such as are embodied in our enlarging apparatus, further of an arm to take the Leica camera, a ground glass housing and steel tape

measure for adjusting the size of the image and the height of the camera. All our supplementary front lenses may be used.

Base-board , 39 × 45.5 cm., similar to that of our enlarging apparatus "Valoy", but with up-right 40 in. high (100 cm.), without flexes	2. 8.6 Veltu
Extra long arm for the above to take the Leica, with nose for the auxiliary housing	2.10.0 Roomb
Steel tape measure for adjusting the height of the camera, self-rolling, with weight, fixed to the reproduction arm	0.13.6 Stama
Ground glass auxiliary housing for exactly determining the margins of the image, complete with finder magnifier × 5 and protecting lid for the lens opening of the Leica	2. 0.0 Vehig
Illuminating device consisting of: 4 adjustable frosted 40 watt bulbs with aluminium reflectors, short flex connection and plug	6.15.0 Stafo*
Copying Device, complete	14. 7.0 Rooka*

For the above:

Supplementary front lenses and intermediate rings, also yellow filters, see these.

Holder to take the angular viewfinder in the case of reproductions for the Leica "Standard" model

0. 2.6 Wicab

For the other models of the Leica

0. 8.0 Wzcoo

Angular bracket for older reproduction arms, for fixing the ground glass housing

0. 9.0 Fosar

Spare bulb, 40 watts, frosted

0. 4.6 Stabu*

B. Small Copying Device for objects up to about 21.5 × 32 cm. in size ($12\frac{3}{4} \times 8\frac{1}{2}$ ins.)

This device conforms to a great extent to the above, but only the supplementary front lenses Nos. 2 and 3 may be used, so that the maximum size of the object is limited to $12\frac{3}{4} \times 8\frac{1}{2}$ ins. As an illuminant our small illuminating device "Stali", designed for objects of smaller size and without reflecting surface, is generally adequate. This may also be used on the large reproduction device.

The manipulation of the small copying device is exactly the same as that of the large one.

* When ordering, please state voltage.

Baseboard, 39 × 45.5 cm., with 50 cm. (20 in.) upright of the enlarging apparatus "Valoy", without flexes	1.19.6	Feffu
Arm for the above to take the Leica, with nose for the auxiliary housing	1.10.6	Velif
Steel tape measure, self-rolling, with weight, fixed to the reproduction arm	0.13.6	Stama
Ground glass auxiliary housing complete with finder magnifier × 5 and protecting lid for the lens opening of the Leica	2. 0.0	Vehig
Small illuminating device consisting of: 2 adjustable frosted 40 watt bulbs with aluminium reflectors, short flex and plug	2.16.6	Stali*
Copying Device, complete	9. 0.0	Vihak*

C. Collapsible travelling copying stand

On travels and when working in libraries and archives it is often desirable to be able to take with one a collapsible copying stand that is as small and light as possible. An apparatus of this sort is shown in the accompanying illustration.

The apparatus consists of a number of tubes fitting in one another, two supporting feet and a carrying arm for the Leica. The upright is about 22 ins. high and permits the use of No. 2 and No. 3 supplementary front lenses. Both the vertical and the horizontal tubes carry graduated scales, that on the vertical tube being divided into eighths of an inch.

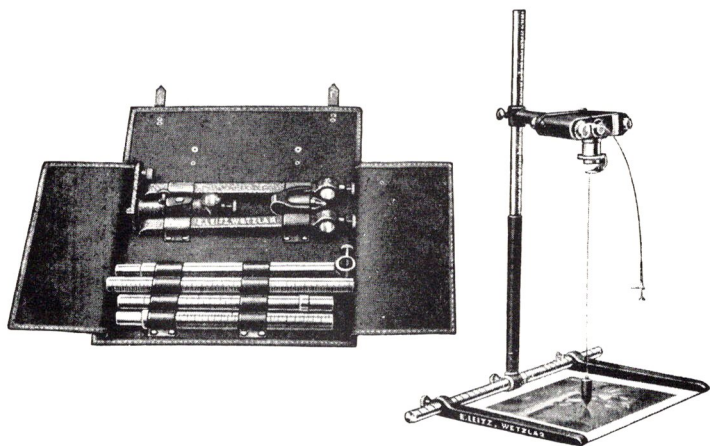
* When ordering, please state voltage.

This being a light form of equipment for travelling use, the upright cannot be extended to allow of the use of the No. 1 supplementary lens without endangering the stability which is essential.

As can be seen from the fig., we supply with this apparatus a plummet to fit in front of the lens of the Leica, as a means of determining the centre of the picture.

When taken apart, the travelling copying stand can be accommodated in a canvas case, of size 6×13 ins. and provided with a handle. It weighs only about $3\frac{1}{4}$ lbs. (fig. 3).

The lighting arrangement "Stali" described above can be used when artificial lighting is required for the object.



£ s. d. Codeword

Copying stand, collapsible, including canvas case with handle, but without plummet 4.13.0 Stare

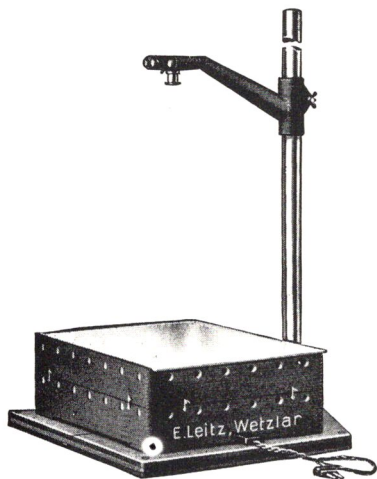
Plummet with fixing clamp, adjustable in length, for indicating the image centre in copying 0. 6.6 Floth

Copying stand complete 4.19.6 Staot

D. X-Ray Reproduction Apparatus

Each of the above described copying devices, like the Universal Copying Device described below, can be used for reproducing X-ray plates and films by the addition of a suitable illuminating

box. We supply **illuminating boxes** of this kind in four different sizes. In the smallest model, the X-ray plate or film is evenly illuminated by means of four 15 watt frosted bulbs and in the larger models by means of three, four or six 25 watt tubular pearl bulbs. The bulbs are covered by a ground glass and an opal glass screen.



The largest illuminating box cannot be accommodated on the baseboard of the large copying device. If the Universal Copying Device described below is not used, a specially large baseboard with correspondingly longer and thicker upright is

required; also a longer reproduction arm to fit this upright.

The X-ray plate or film is laid on the opal glass plate. A plane glass plate is supplied to keep films flat; this plate is simply laid over the film. In addition to X-ray plates and films other negatives and positives can be reproduced with the illuminating boxes. These are connected directly to the lighting circuit by means of a connecting plug.

£ s. d. Codeword

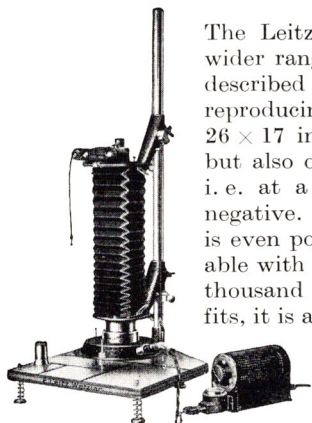
Baseboard of about 50 × 60 cm. (24 × 20 ins.), with 120 cm. (48 in.) high, 5 cm. (2 in.) diameter upright of the enlarger "Vamax" 5. 1.6 **Vesta**

Extra long arm for the above to take the Leica camera 2. 0.0 **Vehal**

Baseboard (see page 55)	5. 1.6	Vesta
Extra long arm (see page 55)	2. 0.0	Vehal
Steel tape measure self-rolling, with weight, fixed to the reproduction arm	0.13.6	Stama
Ground glass auxiliary housing complete with finder-magnifier $\times 5$ and protecting lid for the lens opening of the Leica	2. 0.0	Vehig
Illuminating box 40 \times 50 cm. (20 \times 16 in.), with six frosted tubular bulbs, 25 watts, ground glass screen, opal glass screen and loose glass plate for holding the film flat	12.12.0	Vekas*
Flex 12 ft. long with two connections and press switch	0.11.6	Kcvoo
X-Ray Reproduction Apparatus complete ..	22.18.6	Verap
Illuminating box 30 \times 40 cm. (16 \times 12 ins.), with four tubular bulbs, each 25 watts, with ground glass screen and opal glass screen	8. 9.0	Veput*
Glass plate for the above to hold the film flat	0.11.6	Velyp
Illuminating box 24 \times 30 cm. (12 \times 9 $\frac{1}{2}$ ins.), with three tubular bulbs, each 25 watts, ground glass screen and opal glass screen	7. 6.6	Vikul*
Glass plate for the above to hold the film flat	0. 6.0	Virup
Illuminating box 13 \times 18 cm. (7 \times 5 ins.), with four frosted bulbs, each 15 watts, with ground glass screen and opal glass screen	5. 1.6	Vekot*
Glass plate for the above to hold the film flat	0. 3.6	Veryk
Short wire release with fixing screw	0. 2.6	Finot
Supplementary front lenses for the Leitz lenses "Elmar" F/3.5, 5 cm., also intermediate rings for using these front lenses with the Leitz "Summar" F/2.5 cm., see pages 27 and 28.		
Tubular bulb , 25 watts, 11 ins. long, frosted, as spare	0.10.0	Sofit*
Frosted bulb , 15 watts, as spare	0. 4.6	Oslam*

* When ordering, please state voltage.

II. Leitz Universal Copying Device



The Leitz Universal Copying Device affords a still wider range of possible uses than the special models described in the foregoing. It allows not only of reproducing at a reduced scale objects of size up to 26×17 ins., filling the entire area of the negative, but also of taking objects as small as 2.4×3.6 mm., i. e. at a magnification up to $\times 10$, on the Leica negative. By the combined use of a microscope, it is even possible to increase the magnification obtainable with the Universal Copying Device up to several thousand diameters. By the choice of suitable outfits, it is also possible to use this model as a travelling outfit; thus, there are practically no limits to its applications.

Basic equipment. The basic equipment of our Universal Copying Device consists of a baseboard with upright, together with a reproduction arm and revolving stage plate.

The baseboard is 48×68 cm. (27×19 in.); it rests on a resilient shock absorbing device permitting of undisturbed working even with long exposures and in rooms subject to vibration. The upright fixed to the baseboard is 120 cm. (48 ins.) high and 3.2 cm. ($1\frac{1}{4}$ ins.) thick. Within it is concealed the flex and at its head is a socket to which the illuminating device is conveniently connected.

The reproduction arm carries an oval disc, underneath which is a screw thread to take the Leica lens, while on top is a circular revolving stage plate carrying both a ground glass housing and the Leica camera. When the ground glass housing is brought into position above the lens in the screw mount by means of this rotating stage plate, the image thrown on the ground glass screen serves for the exact focusing of the lens. A turn of the stage plate through 180° brings the camera into the position occupied by the ground glass housing, whereupon the exposure can be made without any further alteration to the apparatus.

This possibility of checking exactly the accuracy of the focus, the margins of the picture and the appearance of the object in the picture at a glance and without the use of separate focusing

tables makes working with this apparatus extremely rapid and convenient. For more exactly controlling the sharpness and the appearance of the image, we supply three different magnifiers.

Outfits for specific ratios of reproduction

For reductions of 1:18 to 1:6 an intermediate thread is required, which has to be placed between the lens and the screw thread of the revolving stage plate.

For reductions of 1:5 and 1:4 the above mentioned intermediate thread is necessary in conjunction with an intermediate ring "B"; for reductions of 1:3 and 1:2.5 the intermediate ring alone is required.

For reductions of 1:2, 1:1½ and 1:1 special intermediate rings are necessary, if the supplementary parts, which are only required for magnifications, are not already available.

For magnifications $\times 2$ to $\times 10$ a second reproduction arm with a lens housing and leather bellows is used. These items can also be used for reductions in the ratio of 1:2 to 1:1.

For higher magnifications the copying device can be used in conjunction with one of our microscopes.

Illuminating devices

Besides a 4-lamp illuminating arrangement as supplied with the large copying device, we also supply for the Universal model a Ring Illuminator for obtaining uniform illumination entirely free from reflections and shadows. This is for smaller objects up to about $2\frac{3}{4}$ ins. diameter.

Universal Copying Device

£ s. d. Codeword

Basic outfit, consisting of:

Baseboard with upright, flex, plug and switch, as well as four-spring base 7. 4.0 **Vafoo**

Carrying arm with rotating stage plate, with holder for magnifier, ground glass screen with scale, clamp for the camera and spanner ("upper stage") 10. 2.6 **Resoo**

Steel tape measure with holder and weight .. 0.13.6 **Stuoo**

Basic outfit, complete 18. 0.0 **Groow**

£ s. d. Codeword

Intermediate thread for reductions of 1:18 to 1:6	1.14.0	Zwtoo*
Intermediate ring "B" for reductions of 1:3 to 1:2.5, also, in conjunction with intermediate thread, of 1:5 to 1:4	0. 4.6	Booxz
Intermediate ring "M. 1:2" for reductions in the ratio of 1:2	0. 6.0	Moobg
Intermediate ring "M. 1:1.5" for reductions in the ratio of 1:1.5	0. 7.0	Moodh
Intermediate ring "M. 1:1" for reproductions at natural scale	0. 8.0	Moogw
Intermediate thread together with the 4 intermediate rings	2.19.6	Zwooc*
Carrying arm with lens housing and leather bellows ("lower stage")	10.14.0	Unoob
Intermediate tube with lens to screw into the "upper stage" when taking photomicrographs .	2. 0.0	Tbkoo
2 Light-excluding rings for connecting a microscope tube to the upper stage	0.18.0	Lszoo
Magnifier holder with simple magnifier $\times 5$.	1. 7.0	Loocg
Magnifier holder with large viewing magnifier $\times 5$	2.16.6	Loofv
Magnifier holder with large viewing angular magnifier $\times 5$	3.18.6	Loogi
Magnifier holder with focusing magnifier $\times 30$	2.14.0	Loohw
Universal Copying Device , complete as above	45. 7.6	Reood

In addition, to special order:

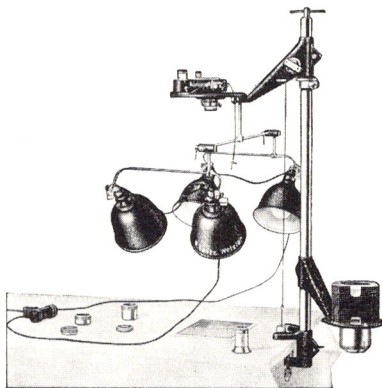
Fine focusing adjustment	1. 5.0	Fdboo
4-lamp Illuminating arrangement	7. 6.6	Stoor**
Copying Ring Illuminator	6.15.0	Riooz**
Regulating resistance for the above, for 110/220 volts, with ammeter	3.10.6	Rfuoo
Flex , 5 ft. long, with connection and plug....	0. 7.6	Kbtoo

* If the intermediate thread is required for the Leitz "Summar", the word "Hesum" is to be added at the end of the codeword.

** When ordering please state voltage.

Special Equipments. I. Collapsible upright

When travelling it is not very convenient to take the Universal Copying Device with the basic outfit just described; for such purposes, therefore, we supply in place of the base-board with upright already mentioned a collapsible special upright with a table clamp, which enables it to be fixed conveniently to any table or even on a chair, shelf or sick-bed. The upright offers the same possibilities as the usual one, but in view of the lack of a resilient base it must be



given a vibration-free support. As compared with the travelling stand described on page 53 it has the advantage of a more comprehensive range of application, greater stability and more convenient manipulation.

£ s. d. Codeword

Collapsible upright, consisting of:

Lower component with table clamp, top component and intermediate piece, total length 3 ft., including spanner

5. 8.0 Zsloo

Additional intermediate pieces (middle section),

1 ft. long, each

1. 7.0 Yqhoo

II. The use of the rotating stage plate on special supports

For many purposes, such as reproductions of art objects, sculptures, portraits, etc. it is desirable to use the rotating stage plate, while the facilities offered by the Universal Copying Device are not required. We have therefore designed the upper stage of the device so that the stage plate can easily be removed from its arm and fixed on a tripod.

Any rigid tripod can be used for this purpose, so long as it is not required to photograph vertically downwards, when the legs of the tripod might be in the way. Suitably rigid tripods are obtainable everywhere, but since when copying exposures often have to be made from the vertical position, we supply a special tripod foot for the rotating stage plate.

The illustrations show the use of the rotating stage plate, one on the special foot without ball-jointed head, and the other on an ordinary tripod with the addition of our large ball-jointed head.



In conjunction with such stands the rotating stage plate can be used only with intermediate thread and the different intermediate rings, so that only reductions up to the ratio 1:1 are possible, and not enlargements.

£ s. d. Codeword

Carrier and rotating stage plate of the upper stage of the Universal Copying Device, with clamp for the camera, without arm	7.13.0 Oores
Special tripod foot with clamping screw and supporting board	1. 7.0 Spooov
Complete equipment as above.....	9. 0.0 Ooreso

Extras:

Large ball-jointed head	1. 7.0	Kgoon
Intermediate thread	1.14.0	Zwt00*
Intermediate ring "B"	0. 4.6	Booxz
Intermediate ring "M. 1:2"	0. 6.0	Moobg
Intermediate ring "M. 1:1.5"	0. 7.0	Moodh
Intermediate ring "M. 1:1"	0. 8.0	Moogw
The entire equipment complete with intermediate thread, 4 intermediate rings and ball-jointed head	13. 6.6	Osizo*

Magnifiers

To check the appearance of the object on the ground glass screen, the exact placing of the picture and the focus, we supply magnifiers which are slipped over the ground glass screen of the upper stage of the Universal Copying Device or of the rotating stage plate. For this purpose a simple and inexpensive $\times 5$ magnifier is sufficient in most cases.

In place of this simple magnifier we can also supply a large viewing magnifier, which gives a clear, evenly illuminated image right to the corners. This magnifier is particularly to be recommended where an exact observation of the image is desirable, for instance in advertising and portrait photography.

For increased exactitude in focusing when taking objects at small reduction, in natural size and particularly at an enlarged scale, the use of a finder $\times 30$ magnifier is essential.

For prices of magnifiers see page 58.

The Leica 250 for 33 ft. film

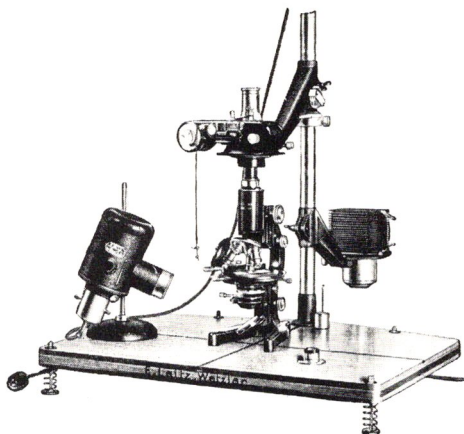
For those who have to make reproductions in large numbers our Leica 250 for 33 ft. of film is extremely convenient and saves much

* If the intermediate thread is required for the Leitz "Summar", the word "Hesum" is to be added at the end of the codeword.

time. We have therefore made provision for this camera also to be used in conjunction with our Universal Copying Device. How-

ever, for mechanical reasons the stage plate of the upper stage could not be used; in its place is employed a dovetail slide which serves the same purpose.

A special leaflet dealing with the Leica 250, with prices and instructions for use, is obtainable on request.



For the use of the Leica 250:

£ s. d. Codeword

Upper stage with dovetail slide for the Leica 250, without arm **7.17.6 Grboo**

The Accessory for Single exposures (page 34) can also be used in conjunction with the Universal Copying Device, but only reductions in the ratios of 1:18 to 1:1 are possible, not enlargements, as the accessory has no shutter, this being fixed on the lens.

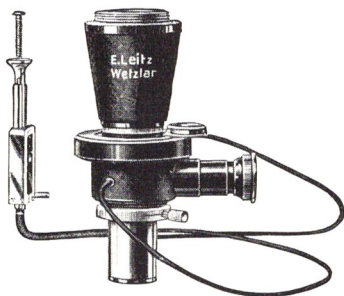
See also our special leaflet "The Leica Accessory for Single Exposures".

The early models of the accessory for single exposures, which were supplied before the appearance of our Universal Copying Device, do not fit directly on this. An intermediate ring is required to fix the accessory to the rotating plate of the upper stage. On request we supply this, free of charge, to possessors of the older model accessory for single exposures and of the Universal Copying Device. (Codeword "Yooqu".)

Additional Accessory

Apparatus for the Scientist

We have developed a number of apparatus for scientific purposes; we are omitting to describe these in detail here, but shall be very glad to send a full description and quotation on enquiry. We mention one of them in this catalogue only for the sake of completeness.



**Leitz Micro Camera
Attachment**

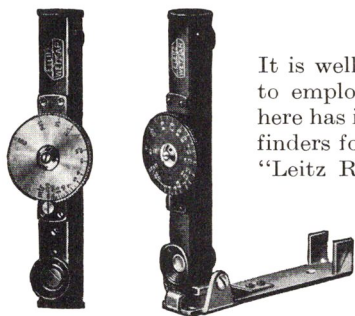
The micro attachment for the Leica is screwed into the Leica in place of a lens and inserted in the tube of a microscope. Fuller particulars will be found in our special list.

£ s. d. Codeword

Micro Attachment with lateral viewing telescope and periplanatic eyepiece $\times 10$, for use with the Leica camera with lens changing flange, including two wire releases, in case 10. 9.6(M) **Mikas**

Automatic release (see illustration) 0.18.0(M) **Autas**

Optical Rangefinders for Photographic Purposes



It is well known that the Leica was the first to employ optical rangefinders. Our success here has induced us to bring out optical range-finders for other cameras. See our special list "Leitz Rangefinders".

Although these rangefinders are not directly for use with the Leica, we specify them below for the sake of completeness:

£ s. d. Codeword

Leitz rangefinder for miniature cameras, with fixing clamp	2. 5.0	Fofer
Leather case	0. 5.0	Euver
	2.10.0	Foern
Leitz rangefinder for hand cameras of medium size, with fixing clamp	2.15.6	Fonor
Leather case	0. 5.0	Euver
	3. 0.6	Foogt
Leitz rangefinder for cine cameras	3. 5.6	Fokin
Leather case	0. 5.0	Euver
	3.10.6	Fooiu
Hinged holder for the above	0.12.6	Fokal

Enlarging Apparatus

In all our enlarging apparatus the principle used is that of illumination by diffused light, which in contrast to the directed light of condenser enlarging apparatus gives enlargements of soft harmonious quality and does not reproduce any small scratches or markings on the rear side of the film. This kind of illumination is therefore particularly suitable for enlarging from miniature negatives.

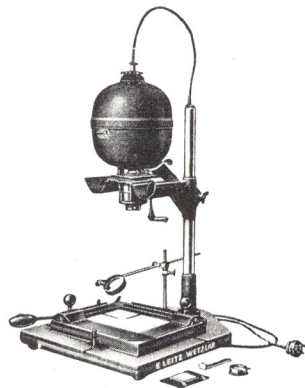
The optical qualities required for miniature photographic apparatus and enlarging equipments are basically the same. Therefore our interchangeable Leica lenses can be used in those enlarging apparatus intended for miniature negatives. This interchangeability of the Leica lenses is a great advantage, and one which considerably reduces the purchase cost of an enlarging apparatus.

We supply a variety of models for different negative sizes and purposes, and which are described in the following pages.

See also our special booklet "Enlarging Equipment".

The "Valoy" Variable Leica-Special Enlarger for use with interchangeable Leica lenses

This apparatus is specially designed for the needs of the Leica amateur. A particularly notable feature is the **novel film guide**, which affords great convenience and rapidity in working; the lower plane surface of the illuminating lens, which can be raised or lowered by a lever movement, presses against the rear side of the film and holds it flat.



A lens changing flange permits the use of the interchangeable Leica lenses, of which the standard lens, Leitz "Elmar" F/3.5, 5 cm. is the most suitable for enlarging purposes. A special enlarging lens in screw mount can, however, also be supplied ("Varob").

Focusing of the image is carried out by means of a special helical movement in the lens mount of the apparatus.

The large and well ventilated lamp house contains a centring 75 watt opal bulb.

The apparatus can also be adapted for the sizes 3×4 cm. and 4×4 cm.* by exchanging the Leica mask for another suitable slip-in mask.

The linear enlargement obtainable with the apparatus is about $\times 8\frac{1}{2}$ when the Leitz "Elmar" 5 cm. is used.

£ s. d. Codeword

"Valoy" Variable enlarging Apparatus,
comprising:

Baseboard with 50 cm. (20 ins.) upright**, projector head with large lamp house, 75 watt opal bulb in centring mount, for direct connection, flex with plug and switch, novel film guide with condenser that can be raised and lowered, film stage with Leica film slide and side troughs, without lens, but with helical movement and thread for screwing in the Leica lens; without printing board, but with two clamping screws for fixing same

9.11.6 Valoy***

Spare bulb for the "Valoy"

0. 3.4 Flabu***

* The 4×4 cm. mask cuts off about 3 mm. in the corners.

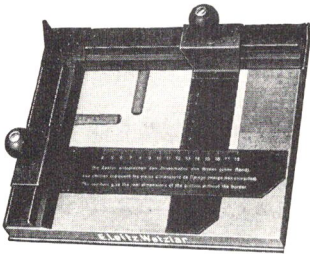
** If the enlarger is also to be used for reproduction work, it is advisable to order the 100 cm. (40 ins.) upright, which is large enough to allow of the use of all three supplementary front lenses, instead of the 20 ins. upright, which only permits the use of the front lenses Nos. 2 and 3.

Extra cost for the 40 ins. upright £ 0.9.0. (With light shield £ 0.15.0, Additional codeword: Cento). For other necessary equipment for reproduction work see page 51 onwards, also the separate list "Copying Equipment in Conjunction with the Leica".

*** When ordering, please state voltage.

Accessories and spare parts for the "Valoy" Enlarger:

The "Felis" printing board can be described as the universal printing frame of the Leica user. The hinged masking bands can be moved independently of each other and adjusted for any size between

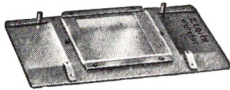


$1 \times 1\frac{1}{2}$ in. (3×4 cm.) and $8\frac{1}{2} \times 6\frac{1}{2}$ ins. (13×18 cm.). The width of the white border of the enlargements can be varied at will between $\frac{1}{8}$ and $1\frac{5}{8}$ ins. (3 mm. and 40 mm.) by moving the paper guides; a scale gives a direct, exact reading

- | | |
|---|---------------|
| of the width of the border | 3. 1.0 Felis |
| The same board, scaled in centimetres up to 13×18 cm. | 3. 1.0 Felat |
| The same board, for sizes up to 18×24 cm. ... | 3.12.0 Felom |
| The same board, scaled in inches up to 10×8 ins. | 3.12.0 Feluk |
| The same board, for sizes up to 30×40 cm. ... | 10.14.0 Feleu |
| The same board, in inches up to 15×18 ins. .. | 10.14.0 Fsoot |
| "Fetra" Printing Board for sizes up to 18×24 cm. (10×8 ins.), with hinged glass plate, without masking bands | 2. 0.0 Fetra |
| Glass plate 19×28 cm. ($11 \times 7\frac{1}{2}$ ins.) as spare for the "Fetra" printing board | 0.11.6 Glapa |
| Orange filter in swing mount; it enables the exact adjustment of the image to be carried out by direct observation on the sensitive enlarging paper | 1.14.0 Fylto |
| Slip-on ring for operating the iris diaphragm. | |
| It is placed over the Leitz "Elmar" 5 cm. for conveniently adjusting the iris diaphragm; relative factors for the exposure times are engraved | 0.11.6 Valau |



Leitz lens F/3.5, 5 cm. in simple screw mount, with iris diaphragm and relative factors for the exposure times 5.12.6 **Varob**



Film slide for the 3 × 4 cm. size 0.13.6 **Vavir**

Ditto for the 4 × 4 cm. size* 0.13.6 **Vakes**

For single Leica negatives: Mask 24 × 36 mm. (1½ × 1 ins.) with hinged double glass plate 3.5 × 12 cm. (4¾ × 1½ ins.) 0. 9.0 **Vazel**

For single negatives 3 × 4 and 4 × 4 cm.:

Special mask 3 × 4 cm. 0. 3.6 **Vazup**

Special mask 4 × 4 cm. 0. 3.6 **Vazis**

In addition:

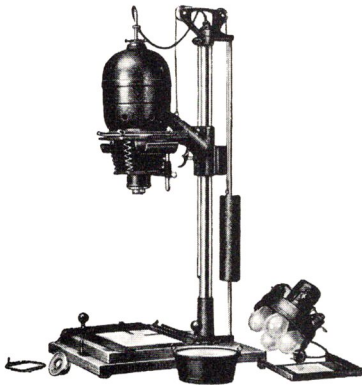
Hinged double glass plate 5 × 16 cm. (6½ × 2 ins.) 0.10.6 **Vazof**

Variable

Enlarger with interchangeable lenses for all negative sizes up to 6½ × 9 cm. (3½ × 2½ ins.)

This apparatus represents a universal enlarger for all negative sizes up to 6½ × 9 cm. (3½ × 2½ ins.). It is equipped with interchangeable lenses so that a Leitz lens "Elmar" F/4, 9.5 cm., for large negatives or an "Elmar" F/3.5, 5 cm. for miniature negatives can be used as required, as well as the special enlarging lens "Varob".

The apparatus is supplied in two different forms, the difference being



* The 4 × 4 cm. mask cuts off about 3 mm. in the corners.

in the height and thickness of the upright, size of the baseboard and length of the holding arm for the projector head. In both models, the projector head is connected with a counterweight by a wire running over pulleys, which allows of the entirely effortless movement of the projector head on depressing a lever. The upright is provided with a guide rail for the projector head.

Illuminating arrangement.

The apparatus is normally supplied with a 75 watt opal bulb, the diffused light of which, collected through two plano-convex illuminating lenses, gives a uniform illumination of the whole negative. This combination of diffused and condenser lighting has proved to be most suitable for apparatus of this size.

If, however, for special purposes entirely diffused illumination is desired, a special arrangement for diffused light can be inserted instead of the standard illuminating arrangement.

The large film stage also allows of portions of plates up to 13×18 cm. to be enlarged.

L. S. D. Codeword

Baseboard about 39×50 cm. (20×16 ins.) with 86 cm. (35 ins.) upright of 4 cm. ($1\frac{5}{8}$ ins.) diameter, with projector head which can be raised and lowered, fitted with counterweight; well ventilated lamp house, **75 watt opal bulb** in centring mount for direct connection, flex with connection and switch, two illuminating lenses in mount, both removable in one operation, large film stage with slip-in mask 6.5×9 cm. (exactly 6.1×8.6 cm. for the purpose of cutting off the unusable edges), double glass plate 10×19 cm. for insertion of films or plates, and with side film troughs; **with interchangeable enlarging lens Leitz "Elmar" F/4, 9.5 cm.** with iris diaphragm and relative factors for the exposure times, but without the additional short-focus lens, without printing board, but with 2 clamping screws for fixing this **32.19.0 Vyboo**

For the trade darkroom:

The same apparatus as "Vyboo", but with 62 × 68 cm. (27 × 25 ins.) baseboard, 120 cm. (48 ins.) upright of 5 cm. (2 ins.) diameter, and correspondingly large holding arm for the projector head, including tape measure for convenient adjustment for various sizes of enlargements

34. 8.6 Vyoos

The apparatus "Vyboo" and "Vyoos" are equipped with the 9.5 cm. enlarging lens; to special order

7. 8.6 Voort

Interchangeable with the Leitz "Elmar" 9.5 cm. lens we can supply:

- 1) One of the interchangeable Leica lenses
- 2) Enlarging lens Leitz "Elmar" F/3.5, 5 cm. in special screw mount, with iris diaphragm and aperture ring with relative factors for the exposure times

5.12.6 Varob

Additional illuminating arrangement for fully diffused light, consisting of:

Upper lamp hemisphere with 4 screw sockets with switch, for standard 60 watt filament bulbs, without bulbs (which are obtainable separately), also special attachment with ground and opal glass discs and light guard for retaining the stray light coming from the sides of the film stage

7. 8.6 Vadiv

Accessories and spare parts:

Printing board for 18 × 24 cm. and smaller, with hinged glass plate, without masking bands

2. 0.0 Fetra

Printing board with adjustable masking bands, for sizes up to 13 × 18 cm.

3. 1.0 Felat

The same board, but scaled in inches up to $8\frac{1}{2} \times 6\frac{1}{2}$ ins.

3. 1.0 Felis

Printing board with adjustable masking bands, for sizes up to 18 × 24 cm.

4. 1.0 Fooyp

The same board, but scaled in inches up to 10 × 8 ins.

4. 1.0 Fpyoo

Printing board with adjustable masking bands, for sizes up to 30 × 40 cm.

10.14.0 Feleu

The same board, scaled in inches up to 15 × 18

10.14.0 Fsoot

Orange filter in swing mount for screwing to the under side of the holding plate of the lens collar of the "Vyboo" and "Vyoos" enlargers	1.14.0	Fylor
Focusing magnifier No. 224d , 54 mm. diameter, with handle	2. 0.0	Nahne
Focusing magnifier , 54 mm. diameter, with ball joint and adjustable arm, for attachment to the baseboard of the "Vyboo"	2.16.6	Vulpe
The same magnifier , but with longer arm for the "Vyoos"	2.16.6	Vulvi
Self-winding steel tape measure , 5 ft. long, with cover and removable weight, to screw on to the edge of the film stage of all variable enlargers	0.13.6	Rolba
Metal masks for the "Vyboo" and "Vyoos" enlargers:		
for negatives size 6×6 cm.	0. 4.6	Cgooy
for negatives size $4\frac{1}{2} \times 6$ cm.	0. 4.6	Cgloo
for negatives size $4 \times 6\frac{1}{2}$ cm.	0. 4.6	Cfooz
for negatives size 4×4 cm.	0. 4.6	Cfioo
for negatives size 3×4 cm.	0. 4.6	Cdoob
for negatives size 24×36 mm.	0. 4.6	Cdeoo
for negatives size 18×24 mm.	0. 4.6	Cbood
Double glass plate $3,5 \times 17$ cm. , hinged, for Leica negatives	0. 7.0	Glasi
Double glass plate $7\frac{1}{2}'' \times 4''$ (10×19 cm.) for the insertion of films and plates, as spare	0.13.6	Glanu
Glass plate 19×28 cm. as spare, for the printing board "Fetra"	0.11.6	Glapa
Spare 75 watt bulb*	0. 3.4	Flabu

* This bulb is for direct connection. When ordering, please state voltage.

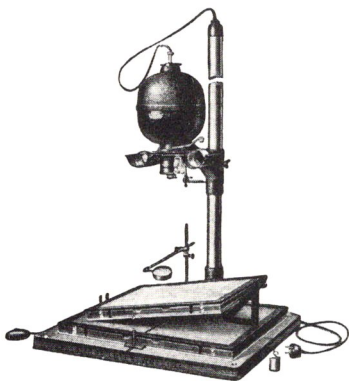
Large Variable Enlarger "Vamax"

for the use of photographic dealers:

The "Vamax" is the largest of the variable models and is primarily intended for the use of professional photographers and photographic dealers who wish to produce quickly for their customers prints in any desired size up to 40×50 cm. (20×16 ins.).

The baseboard of this model is about 62×65 cm. (26×25 ins.) and the upright 120 cm. (48 ins.) high and 5 cm. (2 ins.) thick.

The projector head is the same as on the "Valoy" enlarger, but is on an extra long arm with guide for the thicker upright. It is equipped with a 75 watt opal bulb and is supplied with removable metal mask for the Leica size 24×36 mm. With the aid of additional film slides, however, the apparatus can be adapted for negative sizes 3×4 cm. or 4×4 cm.*.



The lens is of 5 cm. focus and $F/3.5$ relative aperture. An iris diaphragm with relative factors for the exposure times is provided. Enlargement of the Leica negative is possible between $6\frac{1}{2} \times 9$ cm. and 40×50 cm. ($3\frac{1}{2} \times 2\frac{1}{2}$ ins. and 20×16 ins.).

The film guide is the same as with the "Valoy" (see page 66).

Projector heads for negative sizes $4\frac{1}{2} \times 6$ cm. and $6\frac{1}{2} \times 9$ cm.

Instead of the projector head for Leica negatives the "Vamax" can, if desired, also be equipped with a projector head "Vecof" for negatives up to $6\frac{1}{2} \times 9$ cm. respectively. The projector head "Vecof" conforms exactly with that of the "Vyboo" enlarger, but is carried on a holding arm which fits the upright of the "Vamax".

Large baseboard with upright 1.20 m. (48 ins.) high, 5 cm. (2") diameter, with projector head for Leica negatives 24×36 mm. with carrying arm, comprising lamp house with 75 watt opal bulb, flex with connection and switch, illuminat-**

* The 4×4 cm. mask cuts off about 3 mm. in the corners.

** When ordering, please state voltage.

ing lens which can be raised and lowered, film stage with side troughs, steel tape measure and film slide for Leica film; **with screw-in Leitz enlarging lens F/3.5, 5 cm.** with helical motion, iris diaphragm and aperture ring with relative factors for the exposure times; without printing board, but with two clamping screws for one of these

20.16.6 Vamax

In addition: **English sizes.**

Printing board with hinged masking band

for size $3\frac{1}{2}'' \times 2\frac{1}{2}''$	0.18.0 Vetwo
Ditto for size $4\frac{1}{4}'' \times 3\frac{1}{4}''$ ($\frac{1}{4}$ Plate)	1. 0.0 Vefor
Ditto for size $5\frac{1}{2}'' \times 3\frac{1}{2}''$ (Post Card)	1. 0.0 Vefiv
Ditto for size $6\frac{1}{2}'' \times 4\frac{3}{4}''$ (Half Plate)	1. 5.0 Veder
Ditto for size $8\frac{1}{2}'' \times 6\frac{1}{2}''$ (Whole Plate) ...	2. 9.6 Vegit
Ditto for size $10'' \times 8''$	2.14.0 Vetin
Ditto for size $15'' \times 12''$	3. 7.6 Velve
Ditto for size $20'' \times 16''$ with two clamping screws	4.14.6 Vegur
Metal printing board Tilter (for correcting distorted lines)	0. 4.6 Vekip

38. 9.6 Varen*

American sizes. Large variable enlarger as above

20.16.6 Vamax

Printing board with hinged masking band

for size $4\frac{1}{4}'' \times 3\frac{1}{4}''$ ($\frac{1}{4}$ Plate)	1. 0.0 Vefor
Ditto for size $5\frac{1}{2}'' \times 3\frac{1}{4}''$	1. 0.0 Velan
Ditto for size $7'' \times 5''$	1. 5.0 Vesir
Ditto for size $10'' \times 8''$	2.14.0 Vetin
Ditto for size $14'' \times 11''$	3. 3.0 Vebol
Ditto for size $20'' \times 16''$ with two clamping screws	4.14.6 Vegur
Metal printing board Tilter	0. 4.6 Vekip

34.17.6 Vason*

Continental sizes. Large variable enlarg. as above

20.16.6 Vamax

Printing board with hinged masking band

for size $6\frac{1}{2} \times 9$ cm.	0.18.0 Vesex
Ditto for size 9×14 cm.	1. 0.0 Vecar
Ditto for size 13×18 cm.	1. 2.6 Vedri
Ditto for size 18×24 cm.	2. 5.0 Velok
Ditto for size 24×30 cm.	2.12.0 Venty
Ditto for size 40×50 cm. with two clamping screws	4.10.0 Vegro
Metal printing board Tilter	0. 4.6 Vekip

33. 8.6 Vatox*

* When ordering, please state voltage.

Additional sizes**Printing board with hinged masking band**

for size 9 × 12 cm.	1. 0.0	Venun
Ditto for size 10 × 15 cm.	1. 2.6	Vezen
Ditto for size 10.5 × 14.8 cm. (Universal post card size)	1. 2.6	Vepos
Ditto for size 30 × 40 cm.	3.12.0	Vetru
	6.17.0	Vadal

Projector head of the "Vamax" alone (for Leica negatives 24×36 mm.), with carrying arm, consisting of lamp house with **75 watt opal bulb***, flex with plug, illuminating lens that can be raised and lowered, film stage with side troughs, steel tape measure and film slide for Leica film; **with screw-in Leitz enlarging lens F/3.5, 5 cm.** with helical motion, iris diaphragm and aperture ring with relative factors for the exposure times 14. 1.6 **Vecup**

The same projector head without lens 8. 9.0 **Wenoo**

Projector head "Vecup" with switch 14. 8.0 **Woocz****

In place of the above projector head "Vecup" (for Leica negatives 24×36 mm.), the following can also be supplied. They are all equipped with long carrying arm and guide for the thick upright of the "Vamax".

Projector head for negatives $6\frac{1}{2} \times 9$ cm. consisting of lamp house with **75 watt opal bulb***, flex with plug, two illuminating lenses in mount, both removable in one operation, large film stage with slip-in mask 6.5×9 cm. (exactly 6.1×8.6 cm. for the purpose of cutting off the unusable edges), double glass plate 10×19 cm. for the insertion of films or plates, and side film troughs, with interchangeable enlarging lens

* This lamp is for direct connection. When ordering, please state voltage.

** For older apparatus and to supplement a copying device.

Leitz "Elmar" F/4, 9.5 cm. with iris diaphragm and relative factors for the exposure times, with long holding arm for the 2 ins. thick upright of the "Vamax" enlarger	22.19.0	Vecof
The same projector head with switch	23. 6.0	Wooc*
For use with the "Vamax" enlarger:		
Printing board with adjustable masking bands , for sizes up to 13 × 18 cm.....	3. 1.0	Felat
The same board , but scaled in inches up to 8 ¹ / ₂ × 6 ¹ / ₂ ins.....	3. 1.0	Felis
Printing board with adjustable masking bands , for sizes up to 18 × 24 cm.....	3.12.0	Felom
The same board , but scaled in inches up to 10 × 8 ins.	3.12.0	Feluk
Printing board with adjustable masking bands , for sizes up to 30 × 40 cm.....	10.14.0	Feleu
The same board , scaled in inches up to 15 × 18	10.14.0	Fsoot
Orange filter in swing mount, with short column, to screw to the under side of the film stage of the "Vecup" projector head.....	1.14.0	Fylto
Orange filter in mount, to screw on to the lens of the projector head "Vecof"	1.14.0	Fylor
Focusing magnifier No. 224d , 54 mm. diameter, with handle, for exact focusing of the image	2. 0.0	Nahne
Focusing magnifier , 54 mm. diameter with ball joint and adjustable arm, to fix to the base-board of the "Vamax" enlarger (see page 72)..	2.16.6	Vulvi
Metal slide with aperture 24 × 36 mm. for single Leica negative, with hinged double glass plate 3.5 × 12 cm. (to fit the "Vamax")	0. 9.0	Vazel

* For older apparatus and to supplement a copying device.

Ditto with aperture 3×4 cm. for single negatives (for use in conjunction with the double glass plate "Vazof")	0. 3.6	Vazup
Ditto with aperture 4×4 cm.* for single negatives (see also "Vazof")	0. 3.6	Vazis
Double glass plate 5×16 cm., hinged, for single negatives 3×4 and 4×4 cm.	0.10.6	Vazof
Metal film slide for the Leica size 24×36 mm. is included with the "Vamax" enlarger.		
Ditto for size 3×4 cm.	0.13.6	Vavir
Ditto for size 4×4 cm.*	0.13.6	Vakes
Double glass plate 10×19 cm., hinged, for the insertion of single negatives and glass plates $4\frac{1}{2} \times 6$ cm. and larger in the projector heads "Vevax" and "Vecof", as spare	0.13.6	Glanu
Spare 75 watt opal bulb**	0. 3.4	Flabu
Metal masks for various negative sizes, to fit the "Vecof" projector head, see page 72.		

"Focomat" Fully Automatic Enlarger for Miniature Negatives

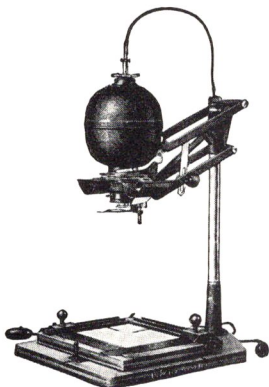
Our fully automatic enlarger "Focomat" represents a new and extremely pleasant simplification of the enlarging process. It serves for the enlargement of all miniature negatives, particularly of the Leica size, up to 4×4 cm.*.

* The mask 4×4 cm. cuts off about 3 mm. in the corners.

** This bulb is for direct connection. When ordering, please state voltage.

The "Focomat" has a wooden baseboard size 40×53 cm. (22×16 ins.) with a 58 cm. (23 ins.) high upright of nickelled metal diameter 3.2 cm. ($1\frac{3}{8}$ ins.), the spherical projector head of light metal being attached to this by means of a parallelogram fitting.

The printing board, which is supplied with the apparatus to special order only, can, by means of a new clamping device, be released by a single movement or clamped firmly in any position.



Any of the 5 cm. interchangeable Leica lenses can be used, as well as the special enlarging lens "Varob". For bigger enlargements the "Focomat" can be supplied with a 100 cm. (40 ins.) upright, also in a special model with 120 cm. (48 ins.) upright, 5 cm. (2 ins.) in diameter and a baseboard 62×65 cm. (26×25 ins.) in size. As, however, automatic focusing is only possible up to 10 diameters, if greater enlargement is

desired the focusing must be done visually by adjusting the parallelogram fitting on the upright.

£ s. d. Codeword

"Focomat" Fully Automatic Enlarger, complete with 75 watt opal bulb*, slip-in mask for the Leica size and thread for the interchangeable Leica lenses of 5 cm. focus, without lens and without printing board, but with clamping device for this..... 16. 6.6 Viwoo

The same apparatus as "Viwoo", but with enlarging lens F/3.5, 5 cm. in special screw mount 21.19.0 Viwoo varob

Extra for the 100 cm. (40 ins.) upright with light protecting shield 0.17.0 Yoosv**

* This bulb is for direct connection. When ordering, please state voltage.

** The codeword "Yoosv" must be added at the end of the codeword "Viwoo".

Special model of the "Focomat" with baseboard 62×65 cm. (26×25 ins.) with upright 120 cm. (48 ins.) high, 5 cm. (2 ins.) diameter, without lens and without printing board, but with clamping device for this.. 21. 7.6 **Vutoo**

The same apparatus as "Vutoo", but with enlarging lens F/3.5, 5 cm. 27. 0.0 **Vutoo varob**

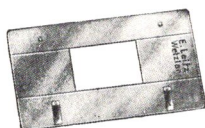
Accessories and spare parts:

Printing board with adjustable masking bands, for sizes up to 18×24 cm..... 4. 1.0 **Fooyp**

The same board, but scaled in inches up to 10×8 ins. 4. 1.0 **Fpyoo**

Orange filter, to fit the "Focomat" 1. 7.0 **Fysty**

Slip-on ring to operate the iris diaphragm, to fit the Leitz "Elmar" lens.. 0.11.6 **Valau**



Film slide for size 24×36 mm..... 0. 9.0 **Vdmoo**

Film slide for size 3×4 cm. 0.13.6 **Vavir**

Film slide for size 4×4 cm.* 0.13.6 **Vakes**

Hinged double glass plate 3.5×12 cm. for single Leica negatives, engraved "Leitz Focomat oben"..... 0. 6.0 **Voomd**

Slip-in mask 24×36 mm..... 0. 3.6 **Vboop**

Hinged double glass plate 5×16 cm. for single negatives 3×4 and 4×4 cm.* 0.10.6 **Voonr**

Slip-in mask 3×4 cm. 0. 3.6 **Vazup**

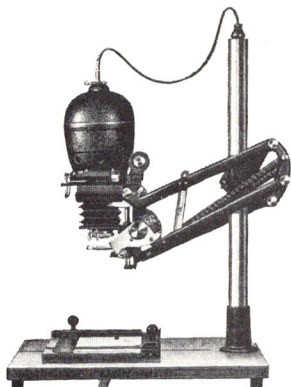
Slip-in mask 4×4 cm.* 0. 3.6 **Vazis**

Spare 75 watt opal bulb** 0. 3.4 **Flabu**

* The mask 4×4 cm. cuts off about 3 mm. in the corners.

** This bulb is for direct connection. When ordering, please state voltage.

A second model of the "Focomat" enlarges all negative sizes up to $6\frac{1}{2} \times 9$ cm. ($3\frac{1}{2} \times 2\frac{1}{2}$ ins.). It has a wooden baseboard of size 52×64.5 cm. ($25\frac{1}{2} \times 20\frac{1}{2}$ ins.) with a nickelled metal



upright 82.5 cm. (33 ins.) and 5 cm. (2 ins.) diameter, to which is connected by means of a parallelogram fitting the somewhat spherical shaped projector head of light metal. The printing board is fixed by means of a clamping device, the same as with the "Focomat" Model I.

The **lenses** are: firstly, an interchangeable lens supplied as part of the standard equipment, of 9.5 cm. focus, for negative sizes over 4×4 cm. up to and including $6\frac{1}{2} \times 9$ cm.; secondly, one of the Leica lenses of 5 cm. focus for negative sizes up to and including 4×4 cm.*.

Instead of the 5 cm. Leica lenses, the special enlarging lens "Varob" can be used. By simply changing a camroller the automatic focusing can easily be adjusted from one focal length to the other. With the focal length 9.5 cm. the enlarging range gives automatic focusing adjustment from 1.8 to 6 diameters, and with the focal length 5 cm. from 2 to 13 diameters. With manual adjustment the range can be increased to 1.4 and 9 diameters with the focal length 9.5 cm., and up to 18 diameters with focal length 5 cm.

£ s. d. Codeword

"Focomat" Enlarger Model II, fully automatic, for two focal lengths, complete with 75 watt opal bulb, with two slip-in masks for 24×36 mm. and $6\frac{1}{2} \times 9$ cm., with interchangeable lens Leitz "Elmar" F/4, 9.5 cm., without printing board, but with clamping device for fixing this..**

50.12.6 Voowi

* The size 4×4 cm. is not fully covered by the lenses of 5 cm. focal length. If it is desired to enlarge the whole negative, it is better to use the 9.5 cm. lens; when enlarging portions of a negative of this size, the 5 cm. lens gives better results.

** For direct connection. When ordering, please state voltage.

The same apparatus as "Voowi", but with a second enlarging lens F/3.5, 5 cm. in special screw mount 56. 5.0 Voowi varob

Accessories and spare parts:

Printing board with adjustable masking bands, for sizes up to 18×24 cm. 4. 1.0 Fooyp

The same board, but scaled in inches up to 10×8 " 4. 1.0 Fpyoo

Orange filter, for the "Focomat" Model II 1.14.0 Fyoon

Slip-on ring to operate the iris diaphragm, to fit the Leitz "Elmar" 5 cm. 0.11.6 Valau

The enlarging lens 9.5 cm. is included with the apparatus "Voowi"; if ordered specially 7. 8.6 Voort

Slip-in masks:

for 18×24 mm. 0. 4.6 Cbood

for 24×36 mm. (is included with the apparatus) as spare 0. 4.6 Cdeoo

for 3×4 cm. 0. 4.6 Cdoob

for 4×4 cm. 0. 4.6 Cfioo

for $4 \times 6\frac{1}{2}$ cm. 0. 4.6 Cfooz

for $4\frac{1}{2} \times 6$ cm. 0. 4.6 Cglou

for 6×6 cm. 0. 4.6 Cgooy

for 6×9 cm. (is included with the apparatus) as spare 0. 4.6 Choxx

for $6\frac{1}{2} \times 9$ cm. 0. 4.6 Chnoo

Spare 75 watt opal bulb* 0. 3.4 Flabu

Combined Enlarging and Projecting Apparatus with Reading Desk

This is a universal apparatus for the reproduction of negatives or positives in the Leica size.

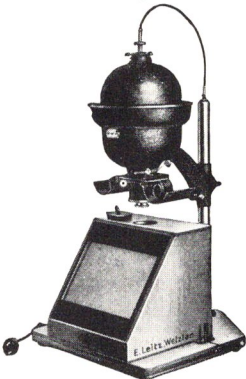
As an **enlarger** it resembles our "Valoy" apparatus, from which it differs only in that the film stage can be rotated horizontally, which is of advantage when the apparatus is being used as a

* For direct connection. Please state voltage.

projector or in conjunction with the reading desk, in allowing either horizontal or upright pictures to be projected or viewed the right way up on the ground glass screen of the reading desk.

As a projector the 75 watt opal bulb provided for enlarging purposes is replaced by a 100 watt projection bulb and an additional condenser. To prevent overheating of the amp house and film, a ventilating ring is inserted between the two hemispheres of the lamp housing. A projection mirror on the arm is so fixed that it reflects the vertically falling rays of light on to the projection screen.

As reading desk equipment it employs in place of the projection mirror a picture viewing box, into which the Leica picture is projected from above and thrown by a mirror on to a ground glass screen. In conjunction with the reading desk, the use of a regulating resistance for controlling the intensity is advantageous.



£ s. d. Codeword

Enlarging apparatus, consisting of:

- Baseboard** about 39 × 33 cm. (16 × 13 ins.) with 50 cm. (20 ins.) upright, with lamp house, carrying arm and clamping screw, centring **75 watt opal bulb* for diffused lighting**, for direct connection, condenser lens which can be raised and lowered by a lever, **film stage rotating horizontally**, side film troughs, film slide for Leica film, lens mount with covered helical motion and thread to take the Leica lens, but without lens and without printing board 10. 5.0 **Vogos**
- Leitz lens F/3.5, 5 cm.** in simple screw mount with iris diaphragm and relative factors for the exposure times (this lens is necessary only if the Leica lens is not available) 5.12.6 **Varob**

* When ordering, please state voltage.

£ s. d. Codeword

Spare opal bulb, 75 watts* 0. 3.4 **Flabu**

Other accessories, such as printing board, orange filter, film slides for sizes up to 4×4 cm. etc., see above.

Projection apparatus:

Equipment as above under "Vogos", but without the 75 watt bulb 9.15.0 **Vojek**

Supplementary equipment:

100 watt projection bulb Type A for direct connection*	0.12.6 Volam	} 3.19.6 Vojal
Ventilating ring for the lamp housing	1. 0.0 Vorym	
Additional condenser lens	1. 0.0 Vobit	
Projection mirror on holding rod with ball socket joint	1. 7.0 Vomir	
		<u>13.14.6 Vopro</u>

Reading desk equipment:

Equipment as above under "Vopro", but without the projection mirror 12.12.0 **Volig**

Picture viewing box (reading desk), as described above (exclusive of resistance, which is listed below) 4.14.6 **Vopul**

..... 17. 6.6 **Voles**

Combined Enlarging and Projecting Apparatus with Reading Desk:

Equipment for enlarging purposes as above under "Vogos" 10. 5.0 **Vogos**

Supplementary equipment for projection as above under "Vojal" 3.19.6 **Vojal**

Supplementary equipment (reading desk) for reading purposes as above under "Vopul" .. 4.14.6 **Vopul**

..... 18.19.0 **Vokom**

* When ordering, please state voltage.

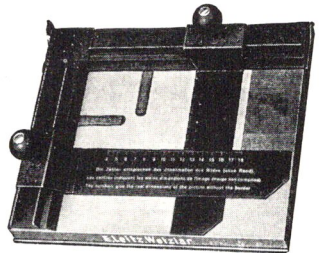
The same lamp housing, but with 100 watt projection bulb Type A for direct connection, instead of with 75 watt opal bulb	7.16.6	Vooby
In addition:		
Ventilating ring	1. 0.0	Vorym
Additional condenser lens	1. 0.0	Vobit
Projection mirror	1. 7.0	Vomir
Additional parts for supplementing the X-Ray Reproduction Apparatus to make it a projection apparatus	11. 3.6	Voocm
Equipment as "Voocm" but without the projection mirror "Vomir"	9.16.6	Voodz
Picture viewing box (reading desk) , without regulating resistance	4.14.6	Vopul
Additional parts for the X-Ray Reproduction Apparatus to make it a reading desk	14.11.0	Vooen
Metal slide with opening 24×36 mm. for Leica single negatives, with hinged double glass plate 3.5×12 cm. to fit the apparatus "Vamax", "Vooal", "Vooby" and "Vooen"	0. 9.0	Vazel
Clamping screws for the baseboard of the enlarger "Vamax" for fixing a printing board	0. 6.0	Klmoo

Printing Boards

The use of special printing boards simplifies the enlarging process very much and can therefore be recommended unreservedly.

The simpler printing boards with hinged masking bands have already been mentioned on page 76. Our printing board "Fetra" with hinged glass plate can be used for all sizes up to 18×24 cm. (10×8 ins.).

The printing boards with adjustable masking bands are undoubtedly the best. The wide masking bands can be adjusted independently of each



other, and can be set to any size between $1\frac{1}{2} \times 1$ ins. and $8\frac{1}{2} \times 6\frac{1}{2}$ ins. or 10×8 ins. or 30×40 cm.; by tightening the two round knobs they are fixed firmly in the desired position. The inside dimensions of the enlarged picture can be read direct on a scale ruled in centimetres or inches upon the adjustable masks. The width of the white paper edges can also be varied between 3 mm. ($\frac{1}{8}$ in.) and 40 mm. ($1\frac{5}{8}$ in.). Two edges of the board have metal rails for clamping the frame to the baseboard of our enlargers.

In place of these metal rails the printing boards for the enlargers "Focomat" Model I and Model II are provided with a groove, in which the clamping device engages.

It should be specially noted that these printing boards can be adjusted accurately for any desired size within a few seconds.

L. s. d. Codeword

Printing board with hinged glass plate for the size 10 × 8 in. and smaller, without masking bands	2. 0.0 Fetra
Printing board with adjustable masking bands, for sizes up to $8\frac{1}{2} \times 6\frac{1}{2}$ in.	3. 1.0 Felis
Printing board with adjustable masking bands for sizes up to 10 × 8 in.	3.12.0 Feluk
Printing board with adjustable masking bands for sizes up to 15 × 18 in.	10.14.0 Fsoot
Printing board as "Felis" but scaled in cms...	3. 1.0 Felat
Printing board as "Feluk" but scaled in cms...	3.12.0 Felom
Printing board as "Fsoot" but scaled in cms...	10.14.0 Feleu
Printing board as "Feluk" but with groove for the clamping device, for use with the "Focomat" Models I and II, "Vyboo" and "Vyoos"	4. 1.0 Fpyoo
Printing board as "Fpyoo" but scaled in cms...	4. 1.0 Fooyp

High-power "Aktina" special lamp

for the variable enlargers.

The light source of our variable enlargers is usually quite sufficient for the purposes of the amateur. When using gaslight paper, however, or making very big enlargements, the saving in time by the use of a light source of considerably greater intensity is very convenient. The photo dealer and the professional photographer in particular must consider any possible reduction of the working time required. For this reason, all our variable enlargers can be supplied on request with an extra powerful "Aktina" special lamp. On 110 volts this lamp is about 30 times as intense as the ordinary 75 watt opal bulb; on lower voltages the intensity is not so great, but the length of life is correspondingly greater. The lamp cannot be used without a regulating resistance and also necessitates a ventilating ring "Vorym".

See also the separate list "Aktina' Special Lamp".

£ s. d. Codeword

High-power "Aktina" Special Lamp, for use
in all variable enlargers, for 110 volts 0.11.0 **Aktoo**

Ventilating ring 1. 0.0 **Vorym**

For 110—130 volts D.C. or A.C.:

1 Regulating resistance with 0—130 V. voltmeter 3. 3.6 **Regir**

5 ft. flex with connection and plug 0. 7.6 **Kablo**

Resistance and flex as above 3.11.0 **Regno**

For 200—240 volts D.C. or A.C.:

1 Regulating resistance with 70—240 V. voltmeter 3.19.6 **Rgoob**

1 Flex 0. 7.6 **Kablo**

Resistances with flex as above 4. 7.0 **Roool**

Device for correcting distortion

Before the appearance of the Leitz "Hektor" 2.8 cm. lens, the printing board tilter "Vekip" was sufficient for correcting distorted lines such as occur when the camera is tilted. With the wide image angle of the Leitz "Hektor" 2.8 cm., however, even with only the slightest inclination of camera the necessary angle of tilt of the printing board is so great that in spite of stopping down the enlarging lens considerably, it is often impossible to get the top and bottom edges of the enlargement simultaneously sharp. This is remedied by our new device for correcting distortion, with which one can tilt the negative itself. It consists of a frame which, the illuminating lens being raised, is inserted in the film stage in place of the film slide. The negative, placed between

a double glass plate, is inserted in this frame and is adjusted obliquely in contrast to the tilt of the printing board until the whole image appears uniformly sharp. For this purpose the springs of the frame, which hold the double glass plate, are adjustable vertically and can also be tilted.

£ s. d. Codeword

Device for correcting distortion, for negatives with distorted lines, only for "Valoy", "Vamax" and "Focomat I" 2.16.6 Zrioo

For tilting the printing board the **Printing Board Tilter "Vekip"** can be used. It is, however, more convenient to work with a **baseplate with ball jointed head**, which is fixed to the baseplate of the enlarger instead of the printing board. The printing board is then screwed on to the thread of the ball jointed head; for this purpose it must be provided with a thread nut.

£ s. d. Codeword

Baseplate with ball jointed head for tilting a printing board, to fit the "Valoy" and "Vamax" apparatus 2.16.6 Goobr

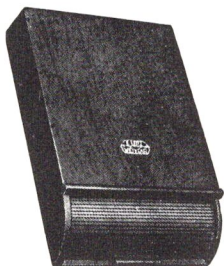
The same baseplate, to fit the "Focomat" models 1 and 2, and "Vyboo" and "Vyoos" ... 3. 5.6 Gooft

Additional cost for a printing board with threaded nut, to fit the thread of the ball jointed head, adapted for baseplate "Goobr" only 0. 7.0 Yoobn*

Light-tight wooden boxes for storing the enlarging paper.

The advantage of these boxes is that the lid closes automatically when a sheet of enlarging paper has been taken out. Spoiling of the enlarging paper by accidentally leaving the box open is therefore impossible.

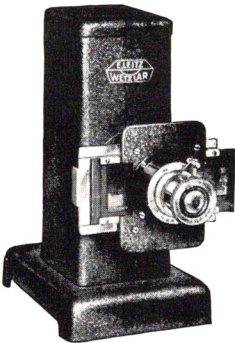
£ s. d. Codeword



Wooden box as described above, for papers up to size 18 × 24 cm. (10 × 8 ins.) 2. 0.0 Pbooc

* The codeword "Yoobn" must be added when ordering the desired printing board.

Small Projectors



Our Small Projectors for size 18 × 24 mm. up to 3 × 4 cm. are known for the clearness and brilliancy of the image they give and the purity of the colours. This is due among other things to the high quality of the projection lenses, for which purpose our interchangeable Leica lenses can also be used. It is an additional advantage of the interchangeable Leica lenses that they may also be employed in the Small Projectors.

For more detailed particulars of our Small Projectors reference should be made to our special lists. We mention them briefly in the following for the sake of completeness.

£ s. d. Codeword

“Standard” Small Projector, consisting of:

Solidly built lamp house with removable top, 100 watt tubular bulb with screw socket for direct connection*, simplified lamp centring, short flex (about 1 ft. long) with plug, fixed 3-lens condenser for the use of the Leica 5 cm. lenses alone, rotating front attachment with slide changer for Leica glass slides 2 × 2 ins. and lens changing flange 5.12.6 Uklon

Spare 100 watt tubular bulb with screw socket for direct connection* 0.16.0 Axuud

Flex extension 12 ft. long with connection and plug 0. 8.0 Alvuu

Slide changer for Leica glass slides 2 × 2 ins. 0.13.6 Uklib

Film gate with semi-automatic movement and aperture 24 × 36 mm. with plane glass plates 1.11.6 Aktuu

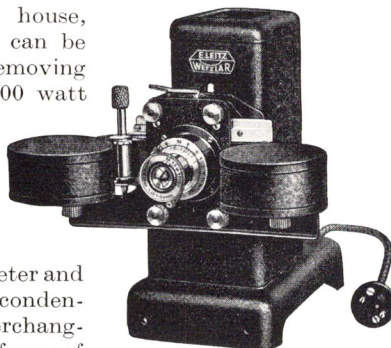
* Please state voltage on ordering.

Ditto with aperture 18×24 mm. 1.11.6 **Afuuv**

Lower plane glass plate with aperture 18×24 mm. alone, interchangeable with the standard glass plate of the film gate "Uduhs" 0. 8.0 **Afluu**

Small Projector VIIa:

Solidly built lamp house, well ventilated, top can be raised for easily removing the bulb, centred 100 watt cine socket bulb for direct connection*, short flex and plug, reflector, 3-lens condenser, consisting of two fixed lenses 52.5 mm. diameter and one interchangeable condenser lens, which is interchanged according to the focus of



the lens (see below), removable heat protecting screen and revolving front 7.15.6 **Udimu**

The codeword of the interchangeable condenser lens required (see below) must be added at the end of the codeword "Udimu".

Leica film attachment with thread for the interchangeable Leica lenses, film gate with semi-automatic film movement and two glass plates for holding the film flat, also two detachable film drums for lengths of film up to 13 ft. 3. 3.0 **Ukedu**

10.18.6 **Ubela**

The following interchangeable condensers can be supplied:

Interchangeable condenser engraved "5" for Leica lenses of 5 cm. focus 0.13.6 **Bruum**

Interchangeable condenser engraved "7.3-8-9" for the Leica lenses Leitz "Hektor" F/1.9, 7.3 cm. and Leitz "Elmar" F/4, 9 cm. also the projection lens Leitz "Milar" 8 cm. focus 0.13.6 **Udaki**

* Please state voltage on ordering.

Interchangeable condenser engraved "10.5—12—13.5" for the Leica lenses Leitz "Elmar" F/6.3, 10.5 cm. and Leitz "Hektor" F/4.5, 13.5 cm. also the projection lens Leitz "Dimax" 12 cm. focus	0.13.6	Ubiku
Slide changer with circular aperture 43 mm. diameter for Leica glass slides 2×2 ins.	0. 4.6	Akuur
Double slide changer for Leica glass slides 2×2 ins.	0.13.6	Uklib
Slide changer with aperture 24×36 mm. for Leica diapositives mounted between glass plates 3.5×12 cm. ($4\frac{3}{4} \times 1\frac{1}{2}$ ins.)	0. 4.6	Agnuu
Slide changer with circular aperture 50 mm. diameter for diapositives 3×4 cm. mounted between 2×2 ins. glass plates.	0. 4.6	Awuue
The Small Projector VIIla can also be adapted for standard cine film strips 18×24 mm.:		
Film gate with semi-automatic film movement and aperture 18×24 mm. interchangeable with the ordinary film slide	1.11.6	Afuuv
Lower plane glass plate alone with aperture 18×24 mm. interchangeable with the ordinary glass plate of the Leica film gate	0. 8.0	Afluu
Further accessories:		
Flex 12 ft. long with connection and plug	0. 8.0	Alvuu
Spare 100 watt cine socket bulb for direct connection*	0.18.0	Ubemi
Film gate with semi-automatic film movement, as contained in the Leica film attachment	1.11.6	Aktuu
Metal tilting plate with two milled screws for tilting the Small Projector	0. 6.0	Usnal
Besides the Leica lenses, special projection lenses can also be used. For this purpose a special receiving socket is provided to screw into the Leica lens attachments.		
Leitz "Milar" lens 8 cm. focus , for screen distances of 9 to 21 ft.	2.16.6	Udaob

* Please state voltage on ordering.

Leitz "Dimax" lens 12 cm. focus for screen distances of 12 to 30 ft.	4.10.0	Upeob
Receiving socket for projection lenses, to screw in the Leica lens attachments.....	0.18.0	Udozu

With 30 volt 100 watt bulb:

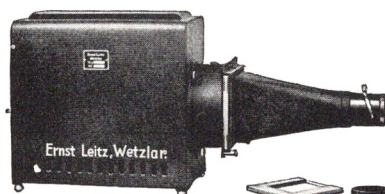
If the Small Projector is required with a 30 volt 100 watt cine socket bulb, which gives a somewhat greater brilliancy on account of the more point-like light source, this must be specially stated when ordering*. The price of the apparatus is not altered, but a resistance or transformer becomes necessary.

	£	s. d.	Codeword
Resistance for 110 volts D.C. or A.C.....	1.14.0	(P)	Renni
Resistance for 220 volts D.C. or A.C.....	2. 5.0	(P)	Renia
Combined resistance for 110 and 220 volts ..	2. 9.6	(P)	Renax
Combined transformer for 110 and 220 volts A.C.	4. 1.0	(P)	Renum
Spare 30 volt 100 watt cine socket bulb .	0.18.0	(P)	Ubeaf
Prices of other resistances for intermediate voltages and for regulating resistances on request.			
Special equipment for Leica glass slides 2 × 2 ins. lamp house as described above	7.15.6		Udimio
Lantern slide attachment with thread for the interchangeable Leica lenses and slide changer for Leica glass slides 2 × 2 ins.	0.18.0		Ubafe
	8.13.6		Udano

Interchangeable condensers for the various lenses as described above.

Small Projector VIIIi with 250 watt bulb and **Small Projector VIIIk** with 400 watt bulb, also **Small Projector VIIIm** with 750 watt bulb, similar to the Model VIIIA, particulars on request.

* Additional codeword: "**Ulwak**". For instance, Small Projector VIIIA with interchangeable condenser "**Udoko**" and 30 volt 100 watt cine socket bulb—"U**bela Udoko Ulwak**".



Leitz Projection Lantern IV b/L

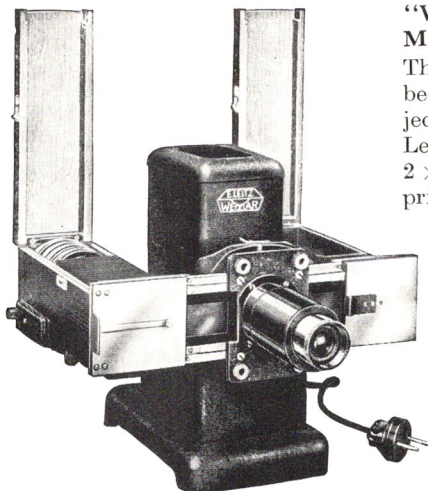
The ideal apparatus for lectures, meeting the most exacting requirements. Attachments for Leica glass slides

and film strips. For screen distances from 10 to 80 ft. Further attachments for projecting large slides, for micro and vertical projection, physical demonstrations and other special purposes.

£ s. d. Codeword

Suitcase Projector, easily carried (see special list)

11.16.6 **Buugr**



“Wedyia” Slide Changing Magazine

This changing magazine has been designed for rapidly projecting a large number of Leica glass slides measuring 2×2 ins. It is intended primarily for the travelling lecturer, to whom it is particularly important to be able to demonstrate his slides in pre-arranged order without loss of time and without hesitation.

£ s. d. Codeword

Slide Changing Magazine consisting of: 2 wooden boxes holding about 55—60 Leica glass slides 2×2 ins., one bridge piece and one special changing slide

9.11.6(P) **Wedyia**

Carrying case of calico-covered plywood to take the Small Projector VIIIa or VIIIb with “Wedyia” slide changing magazine and one spare bulb

4.10.0(P) **Ukyla**

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Adkoo	Leica model IIIa without spool chamber and Leitz "Summar" 5 cm. lens, chromium plated	12
Adoor	Leica model IIIa without spool chamber and Leitz "Elmar" 5 cm. lens, chromium plated . .	12
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Afluu	Lower plane glass plate with mask 18 × 24 mm. for Small Projectors	90, 91
Afoov	Leica model III without spool chamber, without lens	11
Afoov chrom	The same camera, chromium plated	11
Afuuv	Film gate with semi-automatic film movement and film gate 18 × 24 mm. for Small Projectors	90, 91
Agnoo	Leica model IIIa without spool chamber, without lens, chromium plated	12
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Agrif	Hand film winder for loading the spool chamber	43
Ahoot	Reflecting viewfinder with front lens for 5 cm. and 2.8 cm. lenses	23
Ahpoo	Reflecting viewfinder with front lens for 5 cm. and 2.8 cm. lenses with solid leather case	23
Airoo	Leica model II without spool chamber, without lens	11
Airoo chrom	The same camera, chromium plated	11
Aktoo	High-power "Aktina" lamp for enlarging apparatus	87

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Aktuu	Film gate with semi-automatic film movement for Small Projectors	89, 91
Akuur	Slide changer with circular opening of 43 mm. diameter for 5 × 5 cm. Leica glass slides	91
Alvoo	"Standard" Leica without spool chamber without lens	12
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Alvuu	Flex for projectors, 12 ft. long	89, 91
Anzoo	Trimming template for Leica film, Model "250"	13, 43
Aroog	"Standard" Leica without spool chamber with Leitz "Elmar" 5 cm. lens	12
Aroog chrom	Standard Leica, chromium plated, with Leitz "Elmar" 5 cm. lens	12
Aufet	Solid leather case for reflecting viewfinder	23
Aufor	Reflecting viewfinder for the Leica, for lenses of 5 cm. focus, with solid leather case	23
Aufsu	Reflecting viewfinder for the Leica, for lenses of 5 cm. focus	23
Auoog	Reflecting viewfinder with front lens, for the Leica, for lenses of 3.5 and 5 cm. focus, with solid leather case	23
Autas	Automatic release for the micro attachment to the Leica	64
Awuue	Slide changer with circular opening of 50 mm. diameter for diapositives 3 × 4 cm. between 5 × 5 cm. glass plates	91
Axuud	Spare 100 watt tubular bulb with screw socket for direct connection, to fit the Small Projector, "Standard" model	89
Ayooc	Reflecting viewfinder with front lens for the Leica, for lenses of 3.5 and 5 cm. focus	23
Bazoo	Universal setting device for photographs at slight reduction	31
Behoo	Auxiliary reproduction device for the Leica for photographs in the ratios 1:1½, 1:2 and 1:3, with lenses of 5 cm. focus	30
Beins	Auxiliary reproduction device for the Leica for photographs in natural size with Leitz "Elmar" 3.5 cm. lens	30
Bekur	Auxiliary reproduction device for the Leica for photographs in ratios 1:1½, 1:2 and 1:3, with Leitz "Elmar" 3.5 cm. lens	31

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Belos	Small illuminating lamp for the auxiliary devices with 25 watt frosted bulb	31
Belun	Auxiliary reproduction device for the Leica for photographs in natural size with lenses of 5 cm. focus ...	30
Beooy	Setting device for the Leica with lenses of 5 cm. focus, in conjunction with supplementary front lenses Nos. 2 and 3	29
Berat	Spare 25 watt bulb for the illuminating lamp "Belos"	31
Besum	Auxiliary reproduction device for photographs in natural size with the Leitz "Summar" lens	30
Betab	Four interchangeable intermediate rods for the setting device "Beooy"	29
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Buugr	Suitcase Projector, complete	93
Bwoog	Extra battery container for the flashlight attachment	36
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Cdeoo	Slip-in mask 24×36 mm. for "Focomat" model II and "Vyboo" and "Vyoos"	72, 81
Cdoob	Slip-in mask 3×4 cm. for "Focomat" model II and "Vyboo" and "Vyoos"	72, 81
Cento	Additional cost for a 100 cm. (40 ins.) upright in place of the 50 cm. (20 ins.) upright of the "Valoy" enlarger	67
Cfioo	Slip-in mask 4×4 cm. for "Focomat" model II and "Vyboo" and "Vyoos"	72, 81
Cfooz	Slip-in mask $4 \times 6\frac{1}{2}$ cm. for "Focomat" model II and "Vyboo" and "Vyoos"	72, 81
Cgloo	Slip-in mask $4\frac{1}{2} \times 6$ cm. for "Focomat" model II and "Vyboo" and "Vyoos"	72, 81
Cgooy	Slip-in mask 6×6 cm. for "Focomat" model II and "Vyboo" and "Vyoos"	72, 81

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Chnoo	Slip-in mask $6\frac{1}{2} \times 9$ cm. for "Focomat" model II	81
Choox	Slip-in mask 6×9 cm. for "Focomat" model II	81
Coofr	Correx band 12 ft. long, moulded on one side, for the simultaneous development of two Leica films in the tank "Corun"	46
Coolg	Leather case for Sports Finder	22
Corba	Correx band 6 ft. long, moulded on one side, with clip	46
Cordo	Leica Correx tank 12 ozs. capacity, with band moulded on one side, for Leica films without backing	46
Coret	Small thermometer for measuring the developer temperature with the tank closed	46
Corid	Slip-in spool for the Leica Correx tank, $17\frac{1}{2}$ ozs. capacity	46
Corle	Empty Correx tank alone, 12 ozs. capacity ..	46
Corol	Empty Correx tank alone, $17\frac{1}{2}$ ozs. capacity	46
Corsu	Slip-in spool for the Leica Correx tank, 12 ozs. capacity	46
Corun	Leica Correx tank $17\frac{1}{2}$ ozs. capacity, with band moulded on both sides, suitable for all Leica films	46
Coryb	Correx band 6 ft. long, moulded on both sides, with clip	46
Costi	Twisting knob for the Correx tank	46
Doolu	Case level, slip-on, for panoramic photographs	33
Doolu chrom	Case level, chromium plated	33
Ekurz	Leitz "Elmar" lens F/3.5, 3.5 cm., with increased angle, for architecture and landscape	15
Ekurz chrom	The same lens, chromium-plated	15
Elang	Leitz "Elmar" lens F/4, 9 cm., for all kinds of distance photography, such as landscape, architecture, portraits, animal photographs, chromium-plated scale	16
Eldia	Printing apparatus for diapositive film	47
Eldur	Printing apparatus for 5×5 cm. slides	47
Elgla	Metal pressure plate for the printer "Eldur", for making contact prints on paper	47, 49
Elkin	Film window-plate for the printer "Eldia", for image size 18×24 mm.	47
Elmar	Leitz "Elmar" lens F/3.5, 5 cm., standard lens for the Leica and universal lens for all purposes of amateur photography	11, 12, 13, 16
Elmar chrom	The same lens, chromium-plated	11, 12, 16

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Elpet	Supplementary front lens No. 3 for Leitz "Elmar" F/3.5, 5 cm. lens	28
Elpik	Supplementary front lens No. 2 for Leitz "Elmar" F/3.5, 5 cm. lens	28
Elpro	Supplementary front lens No. 1 for Leitz "Elmar" F/3.5, 5 cm. lens.	28
Elzen	Leitz "Elmar" lens F/6.3, 10.5 cm., for landscape photography, especially for touring and mountaineering, chromium-plated scale	17
Emtoo	Solid leather case for Leitz "Telyt" 20 cm. with mirror focusing arrangement	42
Epoch	Calf leather purse for Leica models I, II, III or IIIa	39
Eqoot	Solid leather case with strap for Leitz "Thambar" 9 cm. lens	42
Esfoo	Ever-ready case for the Leica 250	13
Esfus	Ever-ready case for the Leica models II, III and IIIa with Leitz "Summar" F/2, 5 cm. lens	39
Esmal	Ever-ready case with room for angular viewfinder, for Leica models II, III and IIIa	39
Esmos	Ever-ready case for "Standard" Leica with rangefinder	39
Esnar	Ever-ready case for Leica models "Standard" II, III and IIIa	11, 39
Etbix	Solid leather case without strap for Leitz "Summar" 5 cm. lens	42
Etbul	Deerskin purse for Leitz "Summar" 5 cm.	42
Etgus	Brown solid leather case with sling strap for the Leica with five lenses	41
Ethoo	Solid leather case for reflecting viewfinder with negative lens	23
Etiff	Solid leather case with shoulder strap for Leitz "Elmar" 10.5 cm. lens	42
Etila	Solid leather case without strap for Leitz "Elmar" 3.5 cm. lens	42
Etime	Solid leather case without strap for Leitz "Elmar" 5 cm. lens	42
Etini	Solid leather case with shoulder strap for Leitz "Elmar" 9 cm. lens	42
Etinx	Solid leather case with shoulder strap for Leitz "Hektor" 7.3 cm. lens	42
Etipo	Solid leather case with sling strap for Leitz "Hektor" 13.5 cm. lens	42
Etisy	Solid leather case with strap for Leitz "Hektor" 13.5 cm. and Leitz "Elmar" 3.5 cm. lenses	42

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Etikal	Camera case of coloured calf-leather	39
Etmax	Brown solid leather case with shoulder strap for the Leica with seven lenses	42
Etneu	Brown solid leather case with shoulder strap for the Leica with four lenses	41
Etoooq	Case for the slow-speed attachment	34
Etosa	Solid leather case with shoulder strap for Leitz "Hektor" 7.3 cm. and Leitz "Elmar" 3.5 cm. lenses	42
Etrin	Brown solid leather case with sling strap for the Leica, angular viewfinder and two spare spool chambers ..	40
Ettas	Morocco leather purse with clip fastening for Leica models "Standard" II, III or IIIa	39
Ettel	The same purse of deerskin	39
Ettig	Deerskin purse with clip fastening for Leitz "Elmar" 5 cm. and 3.5 cm. lenses	42
Etton	Ditto, for Leitz "Elmar" 9 cm.	42
Etttox	Ditto, for Leitz "Hektor" 7.3 cm.	42
Ettre	Brown solid leather case with sling strap for the Leica with three lenses	40
Ettum	Deerskin purse with clip fastening for Leitz "Hektor" 13.5 cm. lens	42
Ettwo	Brown solid leather case with sling strap for Leica models II, III or IIIa with two lenses	40
Ettyr	Deerskin purse with clip fastening for Leitz "Elmar" 10.5 cm. lens	42
Eukab	Deerskin purse for slip-on filter for the Leitz "Hektor" 7.3 cm. or Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	25, 26, 27
Eukol	Deerskin purse for angular viewfinder "Wintu"	23
Eukos	Brown leather case for the rangefinder "Fokos" ...	13
Eukut	Deerskin purse for filters for all lenses except Leitz "Hektor" 7.3 cm.	24, 25, 29
Eurus	Morocco leather purse for angular viewfinder "Wintu" 13, 23	
Euvat	Morocco leather purse for slip-on filters for the Leitz "Hektor" 7.3 cm. or for the Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	25, 26, 27
Euver	Leather case for the rangefinders "Fofer", "Fonor" and "Fokin"	65
Euvil	Morocco leather purse for filters for all lenses except Leitz "Hektor" 7.3 cm.	24, 25, 28
Eyool	Solid leather case for "Telyt" lens with Leica, 5 cm. lens, "Hektor" 13.5 cm. lens with mirror Reflex arrangement, rapid winder and 4 filters	42

Codeword	Article	Page
Farly	Scale ring for the panoramic tripod head for lenses of 13.5 cm. focus	33
Faros	Scale ring for the panoramic tripod head for Leitz "Elmar" 3.5 cm.	33
Farux	Panoramic tripod head with scale ring for lenses of 5 cm. focus	33
Faski	Scale ring for the panoramic tripod head for Leitz "Elmar" 10.5 cm.	33
Favoo	Screw-in yellow filter No. 2 for Leitz "Summar" lens	24
Fawag	Scale ring for the panoramic tripod head for the Leitz "Hektor" 7.3 cm. lens	33
Faxis	Scale ring for the panoramic tripod head for Leitz "Elmar" 9 cm.	33
Fbook	Screw-in U.V. filter for Leitz "Summar" lens	24
Fbxoo	Screw-in green filter for Leitz "Summar" lens	24
Fcooi	Screw-in red filter for Leitz "Summar" lens, medium	24
Fczoo	Screw-in red filter for Leitz "Elmar" 3.5 and 5 cm. lenses, light	24
Fdboo	Fine focusing adjustment for the Universal Copying Device	59
FdooH	Screw-in red filter, dark, for Leitz "Elmar" 3.5 and 5 cm. lenses	24
Fedoo	Slip-on red filter, light, for all lenses except Leitz "Hektor" 7.3 cm., Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	25
Effu	Baseboard with 50 cm. (20 ins.) upright from the "Valoy" enlarger	53
Felat	Printing board with adjustable masking bands for sizes 3 × 4 cm. to 13 × 18 cm.	68, 71, 76, 86
Feleu	Printing board with adjustable masking bands for sizes up to 30 × 40 cm.	68, 71, 76, 86
Felis	Printing board with adjustable masking bands as "Felat", but scaled in inches	68, 71, 76, 86
Felom	Printing board with adjustable masking bands for sizes up to 18 × 24 cm.	68, 76, 86
Feluk	Printing board with adjustable masking bands as "Felom", but scaled in inches	68, 76, 86
Feoog	Slip-on red filter, dark, for all lenses except Leitz "Hektor" 7.3 cm.	25
Fetra	Printing board with hinged glass plate, without masking bands, for sizes up to 18 × 24 cm.	68, 71, 86

Codeword	Article	Page
Fghoo	Spare lens hood for Leitz "Hektor" 7.3 cm. lens . . .	27
Fgooe	Screw-in red filter, light, for Leitz "Hektor" 7.3 cm.	25
Fhkoo	Single film holder for single exposures with the Leica	35
Fhood	Screw-in red filter, dark, for Leitz "Hektor" 7.3 cm.	25
Fiaku	Ball-jointed tripod head, smaller model	33
Fialt	Film holder for holding single negatives firmly during processing	35, 45
Fiate	Stereo slider	37
Fiavi	Angular bracket for the panoramic tripod head . . .	33
Fibob	Screw-in red filter, medium, for Leitz "Elmar" 3.5 and 5 cm. lenses only	24
Ficyl	Glass cylinder for the Leica developing drum	45
Fidax	Axle with handle and spokes for the Leica developing drum	45
Fidri	Wire release 10 ft. long	31
Figam	Slip-on yellow filter No. 2 for all Leica lenses except the Leitz "Hektor" 7.3 cm., Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	25
Figil	Slip-on yellow filter, graduated, for Leitz "Hektor" 7.3 cm.	26
Figro	Slip-on yellow filter No. 1 for all Leica lenses except Leitz "Hektor" 7.3 cm., Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	25
Fihel	Slip-on yellow filter No. 0 for all Leica lenses except Leitz "Hektor" 7.3 cm., Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	25
Fikus	Extensible lens hood for all Leica lenses except Leitz "Hektor" 2.8 cm., Leitz "Elmar" 3.5 cm., Leitz "Hektor" 7.3 cm., Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	27
Fikyb	Slip-on red filter for all Leica lenses except Leitz "Hektor" 7.3 cm., Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm., medium	25
Filby	Slip-on yellow filter No. 1 for Leitz "Elmar" 3.5 and 5 cm. only	25
Filca	Leica spool chamber model B (all metal)	14
Filge	Slip-on yellow filter No. 2 for Leitz "Elmar" 3.5 and 5 cm. lenses only	25
Filso	Slip-on yellow filter No. 1 for Leitz "Hektor" 7.3 cm. only	26
Fiman	Leica developing drum	45

Codeword	Article	Page
Fimou	Screw-in yellow filter No. 0 for Leitz "Summar"	24
Fimor	Metal support for the Leica developing drum ..	45
Finot	Short wire release with fixing screw	31, 55
Fiola	Slip-on U.V. filter for all Leica lenses except Leitz "Hektor" 7.3 cm., Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	25
Fiomu	Slip-on red filter, medium, for Leitz "Hektor" 7.3 cm. only	26
Fiooc	Screw-in yellow filter No. 1 for Leitz "Summar"	24
Fiopy	Slip-on yellow filter No. 0 for Leitz "Hektor" 7.3 cm. only	26
Fiore	Screw-in U.V. filter for Leitz "Elmar" 3.5 and 5 cm. only	24
Fiosi	Slip-on U.V. filter for Leitz "Hektor" 7.3 cm. only	26
Fiplo	Screw-in red filter, medium, for Leitz "Hektor" 7.3 cm. only	25
Fipos	Slip-on green filter for all Leica lenses except Leitz "Hektor" 7.3 cm., Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	25
Fippa	Slip-on yellow filter No. 2 for Leitz "Hektor" 7.3 cm. only	26
Firad	Slip-on yellow filter, graduated, for all Leica lenses except Leitz "Hektor" 7.3 cm., Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm. ...	25
Fireg	Screw-in yellow filter No. 1 for the Leitz "Hektor" 7.3 cm. only	25
Firgi	Intermediate ring for the use of the supplementary front lenses in conjunction with slip-on filters ..	28
Firhe	Screw-in yellow filter No. 1 for Leitz "Elmar" 3.5 and 5 cm. only	24
Firmy	Screw-in yellow filter No. 2 for Leitz "Elmar" 3.5 and 5 cm. only	24
Firyx	Screw-in green filter for Leitz "Hektor" 7.3 cm. only	25
Fisap	Slip-on green filter for Leitz "Hektor" 7.3 cm. only	26
Fisex	Wire release 20 ft. long	31
Fison	Small lens hood for Leitz "Elmar" 5 cm.	27
Fison chrom	Small lens hood chromium plated for Leitz "Elmar" 5 cm.	27
Fisul	Glass dish 13 x 18 cm.	45
Fiuns	Slip-on yellow filter No. 0 for Leitz "Elmar" 3.5 and 5 cm. only	25
Fiwas	Screw-in yellow filter No. 0 for Leitz "Hektor" 7.3 cm. only	25
Fiwet	Screw-in U.V. filter for Leitz "Hektor" 7.3 cm. only	25

Fiwig	Screw-in yellow filter No. 2 for Leitz "Hektor" 7.3 cm. only	25
Fixam	Film clip for the Leica developing drum	45
Fixio	Screw-in green filter for Leitz "Elmar" 3.5 and 5 cm. only	24
Fixta	Screw-in yellow filter No. 0 for Leitz "Elmar" 3.5 and 5 cm. only	24
Flabu	Opal bulb, 75 watts	67, 72, 77, 79, 81, 83
Floth	Plumb line for use with collapsible copying stand ..	54
Flqoo	Lens hood for the Leitz "Elmar" 3.5 cm.	27
Fmooz	Slip-on red filter light, for Leitz "Hektor" 7.3 cm.	26
Fmsoo	Slip-on red filter, dark, for Leitz "Hektor" 7.3 cm.	26
Fnooy	Screw-in red filter, light, for Leitz "Summar"	24
Fnuoo	Screw-in red filter, dark, for Leitz "Summar"	24
Foern	Rangefinder "Fofer" with case	65
Fofer	Rangefinder for miniature cameras	65
Fokal	Hinged holder for the rangefinder "Fokin"	65
Fokin	Rangefinder for cine cameras	65
Fokos	Short-base rangefinder for the "Standard" Leica	13
Fonor	Rangefinder for hand cameras	65
Foogt	Rangefinder "Fonor" with case	65
Fooui	Rangefinder "Fokin" with case	65
Foonw	Scale ring, interchangeable, for Leitz "Hektor" 2.8 cm.	33
Fooql	Scale ring, interchangeable, for Leitz "Telyt" 20 cm.	33
Fooyp	Printing board "Felom", with groove for clamping device of the "Focomat" I and II	71, 79, 81, 86
Fosar	Angular bracket for older reproduction arms, to take the auxiliary housing	52
Fpyoo	Printing board "Fooyp" scaled in inches ..	71, 79, 81, 86
Fsoot	Printing board with adjustable masking bands as "Feleu", but scaled in inches	68, 71, 76, 86
Fylor	Swing-out orange filter for "Vanos" enlarger	72, 76
Fylto	Swing-out orange filter for "Valoy" enlarger	68, 76
Fyoon	Swing-out orange filter for "Focomat" model II	81
Fysty	Swing-out orange filter for "Focomat" enlarger	79
Glanu	Hinged double glass plate 10 × 19 cm. ($7\frac{1}{2} \times 4$ ins.) for the "Vanos" enlarger	77
Glapa	Glass plate 19 × 28 cm. ($11 \times 7\frac{1}{2}$ ins.) for the printing board "Fetra"	68, 72
Glasi	Hinged double glass plate 3.5 × 17 cm. ($6\frac{3}{4} \times 1\frac{1}{2}$ ins.) for the "Vanos" enlarger	72

Codeword	Article	Page
Goobr	Baseboard with ball-jointed head for the "Vamax" enlarger	88
Cooff	Baseboard with ball-jointed head for the "Focomat" enlarger	88
Grboo	"Upper stage" of the Universal Copying Device, without arm, for the use of the Leica 250...	63
Groow	Basic outfit of the Universal Copying Device ..	58
Hatuu	Film viewing device	44
Heboo	Slow-speed attachment for the Leica models "Standard" and II	34
Hegra	Leitz "Hektor" lens F/1.9, 7.3 cm., specially suitable for portraits, sport, Press, night and theatre photographs, chromium plated scale ..	16
Hefar	Leitz "Hektor" lens, F/4.5, 13.5 cm., distance lens for very distant objects, but also suitable for portraits, chromium plated scale	17
Heool	Slow-speed attachment "Heboo" in leather case	34
Hoopy	Leitz "Hektor" lens, F/6.3, 2.8 cm., wide-angle lens	15
Hoopy chrom	The same lens, chromium plated	15
Kablo	One flex, five feet long, with connection and plug	84, 87
Kbtoo	Flex with plug for Universal Copying Device .	59
Kcvoo	Flex 10 ft. long with connection, plug and press switch for the X-Ray reproduction, Apparatus	56
Kgoon	Large ball-jointed head	33, 62
Klmoo	Clamping screws for fixing a printing board to the enlarger	85
Kodre	Film window plate 4 × 4 cm. for the Large Diapositive Printer	49
Kofim	Positive film attachment and housing for the Large Diapositive Printer	49
Kogla	Glass slide attachment for plates 5 × 5 cm. (2 × 2 ins.) for the Large Diapositive Printer .	49
Kolom	Base housing for the Large Diapositive Printer	48, 49
Konaf	Film window plate 3 × 4 cm. for the Large Diapositive Printer	49
Kooas	Film slide for the accessory for single exposures	35

Codeword	Article	Page
Koobf	Spool chamber for the Leica 250	13, 14
Koohi	Positive film attachment taking up to 30 ft. film ...	50
Koora	The same positive film attachment complete with base housing Kolom	50
Kopat	Large Diapositive Printer, complete	49
Koref	Film window plate 18 × 24 mm. for the Large Diapositive Printer	49
Kosus	Two negative film spools for films 3 × 4 cm. and 4 × 4 cm. for the Large Diapositive Printer	49
Kotos	Diapositive film attachment for the Large Diapositive Printer	49
Kovir	Glass slide attachment for plates 5 × 5 cm. (2 × 2 ins.) and base housing of the Large Diapositive Printer	49
Loocg	Simple magnifier × 5, for the Universal Copying Device	59
Loofv	Large viewing magnifier × 5 for the Universal Copying Device	59
Loogi	Magnifier holder with large viewing angular magnifier × 5	59
Loohw	Focusing magnifier × 30 for the Universal Copying Device	59
Loomy	Leica 250 without lens	13
Looye	Leica 250 with Leitz "Elmar" 5 cm. lens	13
Lszoo	Two light screening rings for connecting a microscope tube with the rotating stage plate of the Universal Copying Device	58
Mikas	Micro attachment for the Leica	64
Moobg	Intermediate ring for reproductions in the ratio 1 : 2 with the Universal Copying Device	58, 62
Moodh	Intermediate ring for reproductions in the ratio 1 : 1 ¹ / ₂ with the Universal Copying Device	58, 62
Moogw	Intermediate ring for reproductions in the ratio 1 : 1 with the Universal Copying Device	58, 62
Moosp	Intermediate ring 15 mm. thick, for Leitz "Telyt" 20 cm.	18

Codeword	Article	Page
Nahne	Focusing magnifier with handle for accurately adjusting the image in the enlarger	72, 76
Nakul	Leica negative viewer with handle	44
Namas	Small opal glass plate with frame for placing in front of "Nakul" or "Natra"	44
Natra	Leica negative viewer without handle	44
Nooky	Optical near focusing device for the Leica with Leitz "Elmar" 5 cm.	32
Nooky chrom	The same optical near focusing device, chromium	32
Nooky hesum	Optical near focusing device for the Leica with Leitz "Summar" 5 cm.	32
Nooky hesum chrom	The same optical near focusing device, chromium	32
Ohebo	Leitz "Hektor" lens 13.5 cm. in special mount for the mirror reflex arrangement	18
Oleyo	Leica accessory for single exposures with small Ibsor shutter	34
Oligo	Leica accessory for single exposures with large Ibsor shutter	35
Oofrc	Remote release for the Leica	37
Oores	"Upper stage" of the Universal Copying Device, without arm	61
Opkom	Wire release 50 cm. (20 ins.) long	31
Orako	Slip-on orange filter for the rangefinder of the Leica model III	14
Oreso	Revolving stage plate with special tripod foot	61
Ortux	Correcting glasses for viewfinder and rangefinder of the Leica, for correcting long or short sight	14
Orvzo	Lens cap for all lenses except Leitz "Elmar" 10.5 cm., Leitz "Hektor" 7.3 cm., Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	14
Orvzo chrom	Lens cap "Orvzo", chromium plated	14
Orwbo	Lens cap for Leitz "Elmar" 10.5 cm.	14

Codeword	Article	Page
Orxdo	Lens cap for Leitz "Hektor" 7.3 cm.	14
Orzho	Lens cap for Leitz "Thambar" 9 cm. or Leitz "Telyt" 20 cm.	14
Osizo	Rotating stage plate with special tripod foot including ball-jointed head and intermediate thread with adapting rings	62
Oslam	Frosted lamp, 15 watts, for the light box 13 × 18 cm. of the X-Ray reproduction apparatus	49, 56
Osrot	Red viewing lamp for the Large Diapositive Printer	50
Otplo	Leitz "Telyt" lens F/4.5, 20 cm., without mirror reflex arrangement	17
Pbooc	Lightproof wooden box for papers up to 18 × 24 cm. (10 × 8 ins.)	88
Pcoob	Slip-on yellow filter No. 0, for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	26
Peooz	Slip-on yellow filter No. 1 for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	26
Pfooy	Slip-on yellow filter No. 2 for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	26
Pgoox	Slip-on yellow filter, graduated, for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	26
Phoow	Slip-on U.V. filter for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	27
Pioov	Slip-on green filter for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	27
Pkoou	Slip-on red filter, light, for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	27
Ploot	Mirror reflex arrangement with release for Leitz "Telyt" 20 cm.	17
Pmoos	Slip-on red filter, medium, for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	27
Pnoor	Slip-on red filter, dark, for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	27
Pooah	Screw-in yellow filter No. 0, for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	26
Poobv	Screw-in yellow filter No. 1, for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	26
Pooci	Screw-in yellow filter No. 2, for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	26

Codeword	Article	Page
Poodw	Screw-in green filter for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	26
Pooek	Screw-in red filter for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm., medium	26
Poofx	Screw-in U.V. filter for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	26
Poogl	Screw-in red filter, light, for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	26
Poohy	Screw-in red filter, dark, for Leitz "Thambar" 9 cm. and Leitz "Telyt" 20 cm.	26
Ramet	Adjusting mask for the large Frame Finder, to fit the lenses Leitz "Elmar" 10.5 and 13.5 cm. and Leitz "Hektor" 13.5 cm.	21
Rasal	Large Frame Finder for the Leica, with adjusting mask "Ramet"	21
Rasuk	Large Frame Finder for the Leica	21
Regir	Regulating resistance with 0—130 volts voltmeter	84, 87
Regmi	Regulating resistance with voltmeter and one flex for 200—240 volts D.C. or A.C. for regulating the intensity of the reading desk image	84
Regno	Regulating resistance with voltmeter and one flex for 110—130 volts D.C. or A.C.	84, 87
Regol	Regulating resistance with 70—230 volts voltmeter	84
Renax	Combined resistance for 110 and 220 volts	92
Renia	Resistance for 220 volts D.C. or A.C.	92
Renni	Resistance for 110 volts D.C. or A.C.	92
Renum	Combined transformer for 110 and 220 volts A.C.	92
Reood	Universal Copying Device complete	59
Resoo	"Upper stage" of the Universal Copying Device complete	58
Rfuoo	Resistance for the Ring Illuminator of the Universal Copying Device	59
Rgoob	Regulating resistance with 70—240 volts voltmeter	87
Riooz	Ring Illuminator for the Universal Copying Device	59
Rolba	Steel tape measure 5 ft. long to screw on to all enlargers	72
Roael	Regulating resistance with 70—240 volts voltmeter and one flex	87
Roomb	Extra long arm to take the Leica on copying device with 40 in. upright	52
Rooka	Large copying device complete	52
Rwboo	Deerskin purse for the frame finder "Rasal"	21

Codeword	Article	Page
Saioo	Sports finder for 7.3 cm. focus	22
Scnoo	Rapid winder for the Leica	36
Scnoo chrom	Rapid winder, chromium plated	36
Sdoog	Tripod head with spring catch	33
Seroo	Sports finder for 9 cm. focus	22
Shxoo	Shutter adjusting knob (13.8 mm.) with fixing screw	36
Sofit	Tubular bulb, 25 watts, for the large light box of the X-Ray reproduction apparatus	56
Soohn	Lens hood for 2.8 cm. Hektor lens	27
Soomp	Special lens hood for the Leitz "Summar" 5 cm. lens	27
Spooov	Special tripod foot for the rotating stage plate of the Universal Copying Device	61
Spuca	Spare centre spool	14
Spulm	Spare take-up spool for the Leica	14
Stabu	Spare 40 watt bulb	52
Stafo	Four-lamp illuminating device for the Large Copying Device	52
Stali	Two-lamp illuminating device for the Small Copying Device	53
Stama	Steel tape measure for the special copying devices	52, 53, 56
Staot	Collapsible copying stand complete with plumb line	54
Stare	Collapsible copying stand	54
Stoor	Four-lamp illuminating device for the Universal Copying Device	59
Stuoo	Steel tape measure for the Universal Copying Device	58
Sumus	Leitz "Summar" lens, F/2, 5 cm., in collapsible mount, high aperture universal lens	16
Sumus chrom	The same lens, chromium plated	12, 16
Suooq	Special finder for the Leitz "Hektor" 2.8 cm. lens	20
Suwoo	Simple finder for a lens of 5 cm. focus ...	20, 35
Syeoo	Sports finder for 13.5 cm. focus	22
Tbkoo	Intermediate tube with lens for photomicrographs with the Universal Copying Device ..	59
Toody	Leitz "Thambar" lens, F/2.2, 9 cm., soft focus lens for studio portraits and landscape photographs	16
Toolp	Leitz "Telyt" lens, F/4.5, 20 cm., complete with mirror reflex arrangement	17
Toost	Table stand for the Leica	33

Ubafe	Lantern slide attachment for the "Udimio" projector with thread for the Leica lenses and slide changer, for Leica glass slides 5×5 cm. (2×2 ins.)	92
Ubeaf	Cine socket lamp, 30 volts 100 watts	92
Ubela	Small Projector VIIIA with film attachment	90
Ubemi	Cine socket lamp 100 watts for direct connection	91
Ubiku	Interchangeable condenser for Leica projectors with Leica lenses Leitz "Elmar" 10.5 cm., also Leitz "Hektor" 13.5 cm.	91
Udaki	Interchangeable condenser for Leica projectors with Leica lenses Leitz "Hektor" 7.3 cm. and Leitz "Elmar" 9 cm., also projection lens Leitz "Milar" 8 cm.	90
Udano	Small Projector VIIIA for glass slides 5×5 cm. (2×2 ins.)	92
Udaob	Projection lens Leitz "Milar" 8 cm.	91
Udimio	Small Projector VIIIA without film attachment	90, 92
Udozu	Receiving socket for projection lenses, to screw into Leica lens attachments	92
Uglas	100 glass plates 3.5×12 cm.	50
Uglit	100 glass plates 5×5 cm. (2×2 ins.)	50
Ukedu	Leica film attachment for Small Projector VIIIA	90
Uklib	Double slide changer for Leica glass slides 5×5 cm.	89, 91
Uklon	"Standard" Small Projector	89
Ukyla	Carrying case for Small Projector VIIIA with Slide Changing Magazine "Wedya"	93
Ulwak	Additional codeword if Small Projectors with 30 volt projection bulb "Ubeaf" are desired	92
Umask	100 paper masks, black, 5×5 cm., with aperture 24×36 mm.	50
Umkle	1 roll of gummed paper for making glass slides	50
Unoob	"Lower stage" of the Universal Copying Device	59
Upeob	Projection lens Leitz "Dimax" 12 cm. focus	92
Usnal	Tilting plate with two milled screws for tilting the Small Projectors	91
Ustol	100 silver paper masks 5×5 cm., with aperture 24×36 mm.	50
Vadal	"Vamax" enlarger, with ten printing boards, with hinged masking bands for various sizes, also with printing board tilter for correcting distorted lines	75

Codeword	Article	Page
Vadiv	Additional illuminating arrangement for the "Vanos" enlarger for fully diffused light	71
Vafoo	Baseboard with upright of the Universal Copying Device	58
Vakes	Film slide for size 4×4 cm. for the "Valoy" enlarger	69, 77, 79
Valau	Slip-on ring for operating the iris diaphragm when using a Leitz "Elmar" 5 cm. lens in the enlargers	68, 79, 81
Valoy	Enlarger for negative sizes up to 4×4 cm. with 50 cm. (20 ins.) upright, for use with an interchangeable Leica lens, but without lens; with other accessories	67
Vamax	Large variable enlarger with projector head for negative sizes up to 4×4 cm., similar to the "Valoy", but with large baseboard and 120 cm. (48 ins.) upright and correspondingly long arm, with enlarging lens "Varob"	74
Varen	"Vamax" enlarger with eight printing boards (English sizes), with hinged masking bands and metal printing board tilter for correcting distorted lines	74
Varip	Large Copying Device for objects up to about 42×63 cm.	52
Varob	Enlarging lens Leitz "Elmar" F/3.5, 5 cm., in simple screw mount with iris diaphragm and relative exposure factors for the exposure time	69, 71, 82
Vason	"Vamax" enlarger with six printing boards (American sizes), with hinged masking bands and metal printing board tilter for correcting distorted lines	74
Vatox	"Vamax" enlarger with six printing boards (Continental sizes), with hinged masking bands and metal printing board tilter for correcting distorted lines	74
Vavir	Film slide for negative size 3×4 cm. for the "Valoy" enlarger	69, 77, 79
Vazel	Film window-plate for single Leica negatives with hinged double glass plate 3.5×12 cm. for the "Valoy" enlarger	69, 76, 85
Vazis	Film window-plate for negative size 4×4 cm.	69, 77, 79
Vazof	Hinged double glass plate 5×16 cm.	69, 77
Vazup	Film window-plate for negative size 3×4 cm.	69, 77, 79
Vboop	Mask 24×36 mm. for the "Focomat" enlarger	79
Vdmoo	Film slide 24×36 mm. for "Valoy" and "Focomat"	79

Vearm	Extra long arm for attaching the Leica to the upright of the Large Copying Device, with nose for the auxiliary housing	52
Vebol	Printing board with hinged masking bands for size 14 × 11 ins.	74
Vecar	Printing board with hinged masking bands for size 9 × 14 cm.	74
Vecof	Projector head of the "Vyboo" enlarger, for use on the "Vamax" enlarger	76
Vecup	Projector head of the "Vamax" enlarger, with arm and "Varob" enlarging lens	75
Veder	Printing board with hinged masking bands for size $6\frac{1}{2} \times 4\frac{3}{4}$ ins.	74
Vedri	Printing board with hinged masking bands for size 13 × 18 cm.	74
Vefor	Printing board with hinged masking bands for size $4\frac{1}{4} \times 3\frac{1}{4}$ ins.	74
Vefiv	Printing board with hinged masking bands for size $5\frac{1}{2} \times 3\frac{1}{2}$ ins.	74
Vegit	Printing board with hinged masking bands for size $8\frac{1}{2} \times 6\frac{1}{2}$ ins.	74
Vegro	Printing board with hinged masking bands for size 40 × 50 cm., with two clamping screws	74
Vegur	Printing board with hinged masking bands for size 20 × 16 ins., with two clamping screws	74
Vehal	Arm for attaching the Leica to the upright of the X-Ray Reproduction Apparatus	55
Vehig	Ground glass auxiliary housing for exactly adjusting the image area with the special copying devices 52, 53, 54, 56	
Vekas	Light box 40 × 50 cm. for the X-Ray Reproduction Apparatus	56
Vekip	Metal printing board tilter for correcting distorted lines	74
Vekot	Light box 13 × 18 cm. for the X-Ray Reproduction Apparatus	56
Velan	Printing board with hinged masking bands for size $5\frac{1}{2} \times 3\frac{1}{4}$ ins.	74
Velif	Arm for attaching the Leica to the upright of the Small Copying Device, with nose for the auxiliary housing	53
Velok	Printing board with hinged masking bands for size 18 × 24 cm.	74

Codeword	Article	Page
Veltu	Baseboard for the Large Copying Device, with 100 cm. (40 ins.) upright	52
Velve	Printing board with hinged masking bands for size 15 × 12 ins.	74
Velyp	Glass plate for holding films flat, for the light box "Veput"	56
Venty	Printing board with hinged masking bands for size 24 × 30 cm.	74
Venun	Printing board with hinged masking bands for size 9 × 12 cm.	75
Vepos	Printing board with hinged masking bands for size 10.5 × 14.8 cm. (Universal post card size).....	75
Veput	Light box 30 × 40 cm. for the X-Ray Reproduction Apparatus	56
Verap	X-Ray Reproduction Apparatus complete, but without Leica camera	56
Veryk	Glass plate for holding the film flat, for the light box "Vekot"	56
Vesex	Printing board with hinged masking bands for size 6.5 × 9 cm.	74
Vesir	Printing board with hinged masking bands for size 7 × 5 ins.	74
Vesta	Baseboard with 120 cm. (48 ins.) upright of the "Vamax" enlarger	55
Vetin	Printing board with hinged masking bands for size 10 × 8 ins.	74
Vetru	Printing board with hinged masking bands for size 30 × 40 cm.	75
Vetwo	Printing board with hinged masking bands for size 31½ × 21½ ins.	74
Vezen	Printing board with hinged masking bands for size 10 × 15 cm.	75
Vezuk	Circular lateral holder to protect the lid of the Leica	33
Vgsoo	Adapting arm for converting X-Ray apparatus into combined enlarging and projecting apparatus with reading desk	84
Vidom	Universal viewfinder with adjustable field diaphragm and parallax compensation, for all Leica lenses	19

Codeword	Article	Page
Vidom chrom	The same universal finder, chromium plated	19
Viein	Solid leather case for the Universal finder for special combinations of lenses	20
Vifur	Universal viewfinder for lenses of 3.5, 5 and 13.5 cm. focus	20
Vifur chrom	The same universal finder, chromium plated ..	20
Vihak	Small Copying Device for objects up to about 21.5×32 cm. ($12\frac{3}{4} \times 8\frac{1}{2}$ ins.), complete, but without Leica camera	53
Vikul	Light box 24×30 cm. for the X-Ray Reproduction Apparatus	56
Vilui	Solid leather case for the "Vidom" universal finder	19
Virup	Glass plate for holding the film flat, for the light box "Vikul"	56
Vitre	Universal finder for lenses of 3.5, 5 and 10.5 cm. focus	20
Vitre chrom	The same universal finder, chromium plated ..	20
Viuna	Universal finder for lenses of 3.5, 5 and 7.3 cm. focus	20
Viuna chrom	The same universal finder, chromium plated .	20
Viwoo	"Focomat" fully automatic enlarger, complete with clamping device for a printing board, but without lens	78
Vizwo	Universal finder for lenses of 3.5, 5 and 9 cm. focus	20
Vizwo chrom	The same universal finder, chromium plated ..	20
Vmcoo	Intermediate ring for the use of the Leitz "Elmar" front lenses with the Leitz "Summar" ..	29
Vobit	Additional illuminating lens for use in enlargers with the extra-powerful "Aktina" lamp ...	83, 85
Vogos	Enlarger with horizontally rotating film stage, without lens, suitable for negative sizes up to 4×4 cm.	82, 83
Vojal	Additional equipment for the "Vogos" enlarger to convert it into a projection apparatus	83
Vojek	"Vogos" enlarger without bulb	83
Vokom	Combined enlarging and projection apparatus with reading desk, complete	83
Volam	Projection lamp, 100 watt, form A, for direct connection	83

Codeword	Article	Page
Voles	Reading desk arrangement of the combined apparatus "Vokom"	83
Volig	Projection apparatus "Vopro", but without projection mirror	83
Vomir	Projection mirror on holding rod with ball joint from the projection apparatus "Vopro"	83, 85
Voal	Lamp housing from the enlarger "Vogos"	84
Vooby	Lamp housing for the enlarger "Vogos", but containing a 100 watt projection bulb instead of the 75 watt opal bulb	85
Voocm	Supplementary parts for the X-Ray Reproduction Apparatus to make a projection apparatus similar to "Vopro"	85
Voodz	The same supplementary parts, but without projection mirror "Vomir"	85
Vooen	Supplementary parts for the X-Ray Reproduction Apparatus to make a Reading Desk similar to "Voles"	85
Voomb	Double glass plate 3.5×12 cm., engraved "Leitz 'Focomat' oben"	79
Voonr	Hinged double glass plate 5×16 cm. for the "Focomat"	79
Voort	Enlarging lens 9.5 cm. for the enlargers "Vanos" and "Voowi"	71, 81
Voowi	"Focomat" enlarger model II for all negative sizes up to 6.5×9 cm., including "Voort" lens	80
Vopro	Projection apparatus of the combined apparatus "Vokom"	83
Vopul	Picture viewing box (reading desk) for the reading desk arrangement "Voles"	83, 85
Vorsa	Stereo attachment "Stereoly" in leather case, for Leica models II and III	38
Vorym	Ventilating ring for the lamp housing of our enlargers when using the extra-powerful "Aktina" lamp	83, 85, 87
Vostn	Stereo attachment "Stereoly" for the Leica "Standard" model	38

Codeword	Article	Page
Votiv	Stand on which to place the stereo viewing apparatus "Votra"	38
Votra	Stereo viewer in case, for Leica negatives . . .	38
Vulpe	Focusing magnifier with ball-joint and adjustable arm for accurately focusing the enlarger image, for all apparatus except "Vamax" . . .	72
Vulvi	Focusing magnifier with ball-joint and adjustable arm for accurately focusing the enlarger image, for the "Vamax"	72, 76
Vutoo	Special model of the "Focomat" enlarger with upright 120 cm. (48 ins.) high, 5 cm. (2 ins.) diameter, and baseboard 62 × 65 cm. (25 × 24 ins.)	79
Vyboo	Variable enlarger with interchangeable lenses, with 80 cm. (32 ins.) upright, for negative sizes up to 6.5 × 9 cm., with enlarging lens Leitz "Elmar" F/4, 9.5 cm., and accessories	70
Vyoos	Variable enlarger with interchangeable lenses, with 120 cm. (48 ins.) upright, for negative sizes up to 6.5 × 9 cm., with enlarging lens Leitz "Elmar" F/4, 9.5 cm., with large holding arm and accessories	71
Wedya	Slide changing magazine for Leica glass slides 5 × 5 cm. (2 × 2 ins.)	93
Weisu	Special finder for the wide-angle lens "Elmar" 3.5 cm.	20
Wenoo	Projector head "Vecup" from the "Vamax" enlarger, without lens	75
Wicab	Holder for attaching the angular viewfinder for the "Standard" model when making reproductions	52
Winek	Angular viewfinder for the Leica model "Standard" with solid leather case	23
Winko	Angular viewfinder for the Leica model "Standard"	23
Wintu	Angular viewfinder for the Leica model II or III	23
Wintu chrom	The same angular viewfinder, chromium plated	23
Wiook	Solid leather case for the angular viewfinder "Winko"	23

Codeword	Article	Page
Wirin	Angular viewfinder "Wintu" with solid leather case	23
Wivoo	Solid leather case for the angular viewfinder "Wintu"	23
Woocz	Projector head "Vecup" with press switch ...	75
Wooic	Projector head "Vecof" with press switch ...	76
Wzcoo	Holder for attaching the angular viewfinder for models II and III when making reproductions	52
Yoobn	Additional codeword for printing boards with threaded nut for the device for correcting distorted lines	88
Yooqu	Intermediate ring for the use of the accessory for single exposures in conjunction with the Universal Copying Device	63
Yoosv	Additional codeword if the "Viwoo" enlarger is required with upright 100 cm. (40 ins.) high	78
Yqhoo	Intermediate piece for the collapsible upright of the Universal Copying Device	59
Zooke	Intermediate mount with coupling, for converting a lens as "Ohebo" into a lens similar to "Hefar"	18
Zrioo	Device for correcting distorted lines	88
Zsloo	Collapsible upright for the Universal Copying Device	60
Zwooc	Intermediate thread and four intermediate rings for the Universal Copying Device when using the Leitz "Elmar" 5 cm. lens	59
Zwooc hesum	Intermediate thread and four intermediate rings for the Universal Copying Device when using the Leitz "Summar" 5 cm. lens	59
Zwtoo	Intermediate thread for the Universal Copying Device with Leitz "Elmar" 5 cm. lens	59, 62
Zwtoo hesum	Intermediate thread for the Universal Copying Device with Leitz "Summar" 5 cm. lens ..	59, 62



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