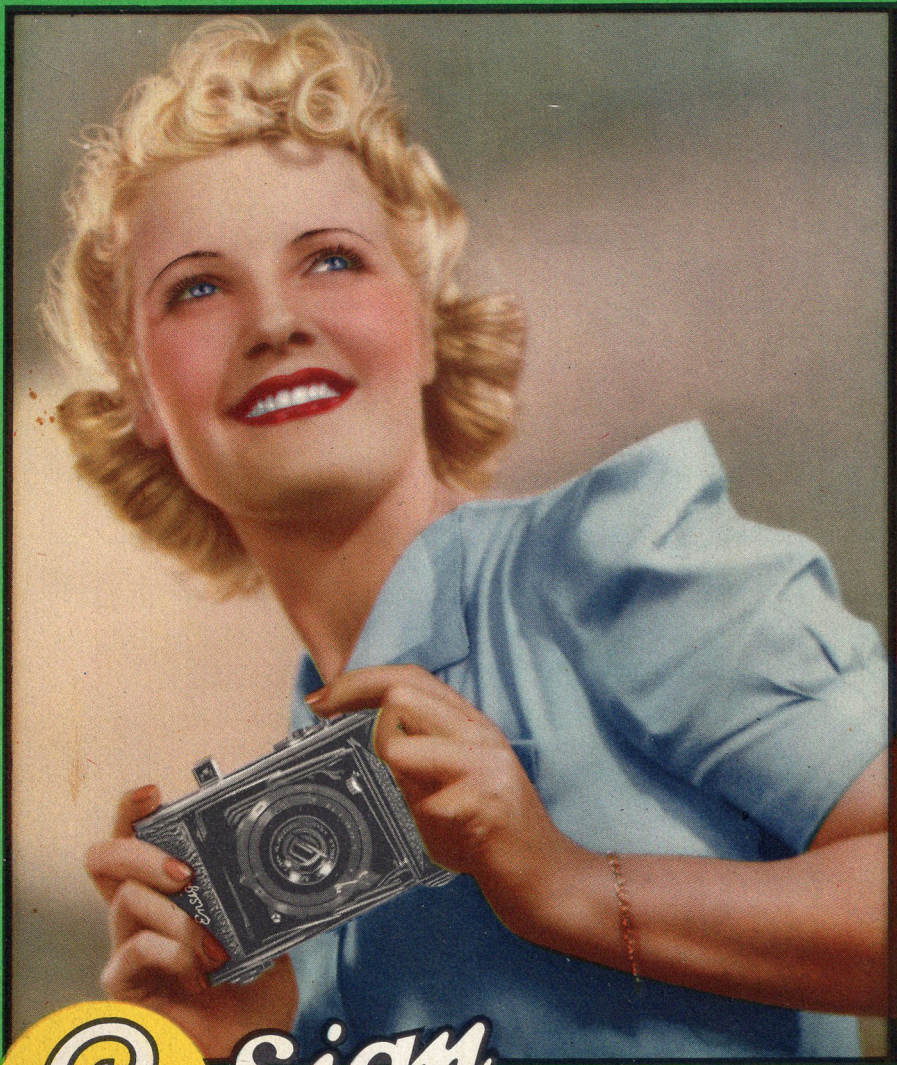




EnSign

**PHOTOGRAPHY
HARRIES**

The City Chemist
Renowned for

Developing Printing and Expert Service

25 CULLUM STREET, E.C.3

Telephone : MANsion House 9343

BEFORE YOU BUY A CAMERA READ THIS!

THIS foreword is especially written to everyone who is considering the purchase of a new camera.

In looking through this Catalogue, it will be seen that the House of Ensign offers a wide variety of apparatus, from the cheapest form of box cameras to high-grade precision range-finder models. No matter to which category your inclination leads, you can be sure of complete satisfaction if you finally select one of the cameras illustrated and described in this publication.

As in all other pursuits, there are fads and fancies, and yes—even prejudice, in amateur photography. To the would-be purchaser of a new camera, therefore, the advice of his friends may prove a little bewildering. One will say that the cameras made by "A" are the only ones worth buying; another swears by those made by "B," and so on.

WE believe, quite naturally, that you should have an ENSIGN. Further, we *know* you will never regret your choice.

You, however, have the final word, and before you say it, may we just add this: We have been making cameras for many decades. Hosts of amateur photographers are enthusiastic Ensign users—our "fan mail" proves it.

One thing more—Ensign means made in Great Britain—and if, other things being equal, your preference is for goods that are British made, then BUY ENSIGN!

CONTENTS

CAMERAS—	Page		Page
Ensign Ful-Vue	6-7	COLOUR FILTERS, etc.	46
Ensign E-29	8	CAMERA CASES	47
Ensign E-20 Box	9	EXPOSURE METERS	48, 49
Ensign Midget	11-13	TRIPODS and ACCESSORIES	50
Ensign Double-8	14	CAMERA ACCESSORIES... ..	51-52
Ensign Pocket E-20	17-19	INDOOR PHOTOGRAPHY	53-54
Ensign Selfix-320	21-24	ENLARGERS	55-61
Ensign Selfix-220	26-29	LANTERNS... ..	62
Ensign Selfix-420	31-34	DEVELOPING OUTFITS	64
Ensign Autorange-220	36-39	DEVELOPING TANKS, etc.	65
Ensign Autorange-20	40-41	DARKROOM ACCESSORIES	66-72
Zeca-Flex... ..	42-43	ALBUMS, FRAMES, etc.	73-76
Ensign Cameo	44	CINE	77-82
Ensign Special Reflex	44	FILM, FILM PACKS	83

Why the CAREFUL CHOICE of a LENS is so IMPORTANT

"That's a jolly good 'snap' ! What sort of camera did you use to take it ? "

"Yes, it's not bad. I used an Ensign Selfix-220."

"By Jove, it must have a topping lens ! "

To the man in the street, a good result means a good lens, and he is right.

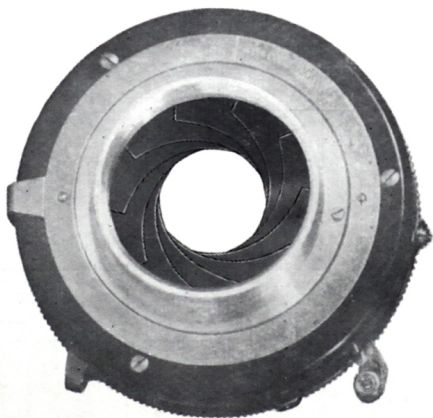
That is why all the lenses used on Ensign Cameras are so carefully chosen, many of them bearing names which are famous throughout the world. In making your selection, therefore, of a camera from the Ensign range, you can be confident of obtaining crisp, sharp results, no matter what you pay.

Why then, one may ask, are such a variety of lenses fitted to Ensign Cameras? The answer is that the lens is indeed the most important part of the apparatus and on its quality depends the versatility of the camera. When you next visit your photographic dealer, ask him to open the shutter of an Ensign Camera and to close the iris diaphragm to the smallest circle allowing the minimum amount of light to pass through the lens. The circle of light which then becomes visible by opening the back of the camera and looking towards the lens, is known as a small "stop." If your dealer friend will now gradually open the diaphragm, you will see that as the circles or "stops" get wider and wider, more and more light passes through the lens.

It will be immediately apparent that the greater the amount of light that passes through the lens, the less is one dependent on bright sunshine to get good results.

Now, ask your dealer to show you how these "stops" are marked on the lenses by means of "f" numbers. The fact to remember is that the lower the "f" number, the wider is the lens aperture. For instance, a lens marked $f/5.6$ is wider than a lens marked $f/6.3$.

The maximum working aperture of lenses varies considerably, some are limited to as small an aperture as $f/11$ and others as wide as $f/2.8$. It is obvious that the photographer's independence of lighting conditions increases with the aperture of the lens he is using and it is therefore always good policy to buy the best lens one can afford.



This illustration of a shutter shows the iris diaphragm opened to about half its full extent. The greater the aperture possible, the better the lens.

EXPOSURE TABLE.

The following table gives a rough idea of the exposures and stops for various subjects with most popular fast films (not super speed) from 10 a.m. until 2 p.m. with bright sunshine during May, June and July. For more detailed information, an exposure guide or meter is recommended.

Subject	f/4.5	f/6.3	f/8	f/11	f/16
Open Seascapes and Cloud Studies	1/800	1/400	1/200	1/100	1/50
Open Landscapes with Light Foreground. Beach Scenes ...	1/400	1/200	1/100	1/50	1/25
Average Landscapes with Objects in Foreground, Figures in open, River Scenes ...	1/200	1/100	1/50	1/25	1/10
Heavy Foreground, Buildings or Trees occupying greater portion of picture	1/100	1/50	1/25	1/10	1/5
Portraits or Groups taken out of doors, not too shut in by buildings	1/50	1/25	1/10	1/5	1/2
Portraits in well-lighted room, light surroundings, big window, white reflector ...	1/25	1/10	1/5	1/2	1

In weather other than bright sunshine, the above exposures are multiplied as follows :—

Bright diffused light, the sun behind a cloud	$\times 1\frac{1}{2}$
Light clouds over the whole sky, but light able to cast a visible shadow	$\times 2$
Heavy clouds over the whole sky	$\times 3$
Very dull. Whole sky covered heavy clouds	$\times 4$

Note—Bear in mind that modern roll films, while of greater speed, also resist the effect of over-exposure. When in doubt, a longer exposure should therefore be given.

DEPTH OF FOCUS TABLE.

As an example, the following table has been compiled for the Ensign ENSAR 100 mm. f/4.5 anastigmat, and shows the points between which objects will be in focus, at varying distances and apertures.

Depth of Focus Table for ENSAR 100 mm. focus f/4.5 lens. Circle of confusion 1/375 in.

Focussing Collar Set at	f/4.5		f/5.6		f/8		f/11	
	Near	Far	Near	Far	Near	Far	Near	Far
	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.
INF.	49-8	INF.	44-3	INF.	35-9	INF.	28-10	INF.
25 ft.	20—	33-3	19-1	36-2	17-5	44-6	15-7	62-10
15 ft.	13-1	17-7	12-8	18-5	11-11	20-3	11—	23-5
10 ft.	9-1	11-1	8-11	11-4	8-6	12-1	8-1	13-1
7 ft.	6-7	7-6	6-6	7-8	6-3	7-11	6—	8-4
5 ft.	4-9	5-3	4-9	5-4	4-8	5-5	4-6	5-7
3½ ft.	3-5	3-8	3-5	3-8	3-4	3-9	3-3	3-9

Focussing Collar Set at	f/16		f/22		f/32			
	Near	Far	Near	Far	Near	Far		
	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.		
INF.	21-10	INF.	16-10	INF.	12-3	INF.	—	—
25 ft.	13-4	INF.	11-4	INF.	9-1	INF.	—	—
15 ft.	9-10	31-4	8-9	52-10	7-4	INF.	—	—
10 ft.	7-5	15-3	6-9	18-11	5-11	31-11	—	—
7 ft.	5-8	9-2	5-3	10-5	4-9	13-4	—	—
5 ft.	4-4	5-10	4-1	6-3	3-9	7-1	—	—
3½ ft.	3-2	3-11	3—	4-1	2-11	4-5	—	—



THE *Ensign* FUL-VUE

By a Beginner.

When the Ensign technical man put the FUL-VUE camera into my hands he said, "Here's a camera intended for people who have never done any photography before, as well as experienced photographers. We think that even an absolute tyro should get good results with it straight away. Would you like to try it?"

I didn't quite like that word tyro, but I had to admit to myself that as I had never taken a single photograph of anything or anybody in my life, its use in this case was quite justified. In any event, as this appeared to be something in the nature of a challenge, I decided to "have a go at it."

Hitherto my knowledge of photography had been confined to the amount acquired by "looking pleasant" in a photographer's studio, or sitting in a group at the seaside watching my young sister Judy peer into a tiny piece of glass in the top of a black box, and later proudly showing us splendid little black and white prints. With brotherly condescension, I invariably said nice things about her "snaps"—and between ourselves—secretly admired her photographic skill.

One of the reasons I had never tried snapshotting myself was, that I could never quite see—that is, to my own satisfaction—the tiny picture in the view finder. It seemed to me that taking pictures with this diminutive image as a guide, was something of a gamble. I was sure they would never "come out right." I admit I am stupid in this respect, as the ordinary view finder suits nine hundred and ninety-nine people out of a thousand. I am afraid I am that thousandth!

Imagine my delight on handling the FUL-VUE when I immediately discovered that it had a giant view finder. There was no need to peer into it, everything was as plain as it could possibly be.

I dashed home and lined up Judy, Margaret and John in the garden—and there they were, indulgently smiling up at me from the huge lens, as large as life—or so it seemed to me. There was no doubt this time, the reflected image was beautifully bright and clear and I was sure I could not possibly make a mistake. So—click!

I am a modest sort of fellow, so I won't tell you what I thought of the results from that first spool. Judy said very little either, but she did ask me where she could buy a FUL-VUE and I leave the inference to you. Anyway, I gathered that she thought I wasn't quite so stupid after all. I believe she too will feel more certain of her results if she can see a picture in the view finder which is nearly as big and quite as bright as the subsequent finished result.

Yes, I must admit, I like the ENSIGN FUL-VUE. Not only has it that very big view finder, but the famous Ensign All-Distance lens, which makes it easy to take both portraits and views.

Finally, it has the appearance of a very expensive camera, although one can buy it for a modest 25/-.

ENSIGN FUL-VUE



The box camera that everyone has been waiting for. It possesses a feature that distinguishes it from all others. IT HAS A BIGGER, BRIGHTER, BETTER VIEW-FINDER, which gives a better idea than ever before of what the finished result is likely to be, and makes it far easier to achieve that result. It is the box camera supreme! For twelve pictures $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6×6 cm.) on size E-20 film. All-Distance lens. T. and I. shutter. All-metal body, splendidly finished in crystalline enamel with black enamel fittings. Leather sling strap.

SPECIFICATION

BODY	..	..	..	Metal construction throughout with removable cone fitted with film rollers. Exterior black ripple enamel with bright black beaded front and back panels. Hinged back. Fitted with leather carrying sling strap.
LENS	..	..	..	Famous patented "All-Distance" lens, fitted with two-position focussing mount enabling close-ups to be taken down to a distance of 3 ft. from the camera.
SHUTTER	..	..	..	Lever movement operating in one direction only with spring return. Separate two-position lever for "time" and "instantaneous" exposures.
VIEW FINDER	..	..	..	Super size, waist level optical reflex view finder, giving a brilliant image approximately $1\frac{1}{2}$ in. square.
FILM NUMBERING	..	..	..	Through centrally placed ruby window in the back of camera.
SIZE	..	..	..	$4\frac{1}{8} \times 3\frac{3}{8} \times 4\frac{1}{8}$ in. ($10.5 \times 8.57 \times 10.5$ cm.).
WEIGHT	..	..	..	18 ozs. (510 gms.).
PICTURE SIZE	..	..	..	For 12 pictures $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6×6 cm.) on size E-20 film.

PRICES

All-Distance Lens. T. and I. shutter	...	...	...	...	25/-
Carrying Cases—Tan Mail (with web strap)	...	...	...	...	2/-
Ever-ready (leather cloth)	...	...	...	...	3/-
Films—Ensign Ortho E-20	...	...	...	...	1/-
Ensign Ultrachrome EC-20	...	...	...	...	1/2
Ensign Fine Grain Pan. EFP-20	...	...	...	...	1/6
Takes 1 in. Filter and No. 2 Interchangeable Mount. For details see page 46.					



FOR PICTURES 2×3 in. (5×7.5 cm.).

The Ensign E-29 camera takes the size E-29 film, giving a picture 2×3 in. (5×7.5 cm.). The camera is supplied complete with two E-29 films and thus, being ready for immediate use, is ideal for a beginner.

SPECIFICATION

BODY	..	..	..	Two parts only with metal internal cone. Provided with leather carrying handle.
COVERING	..	..	..	Handsome ribbed cloth material.
LENS	..	..	..	Rapid Meniscus.
VIEW FINDERS	..	..	..	Two—exceptionally large, giving a very clear image for both upright and horizontal pictures.
SHUTTER	..	..	..	Time and Instantaneous exposures with easy operating finger release.
SIZE	..	..	..	$5 \times 3\frac{7}{8} \times 2\frac{3}{4}$ in. ($12.75 \times 9.75 \times 7$ cm.).
WEIGHT	..	..	..	14 oz. (400 gms.).
FILM SIZE	..	..	..	E-29. Picture 2×3 in. (5×7.5 cm.).

PRICES

Camera complete with two films	...	...	...	...	5/6
Canvas Waterproof Case	...	...	...	...	1/-
Printing Outfit, including printing frame, dish, developer, fixing salts, measure, for daylight or gaslight papers (see page 64)	...	...	...	...	2/6
Films—Ensign Ortho E-29	...	...	...	...	10d.
Ensign Ultrachrome EC-29	...	...	...	...	1/-



FOR 8 pictures
 $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6×9
 cm.) or 16 pictures
 $2\frac{1}{4} \times 1\frac{5}{8}$ in. (6×4.5
 cm.) on size E-20
 FILM.

Also fitted with
 DOUBLE EXPO-
 SURE PREVEN-
 TION DEVICE.

Embodies features only found in very much more expensive cameras. In particular it has a double exposure prevention device which prevents any possibility of two exposures being made on one section of film. The famous Ensign All-Distance lens is also fitted, enabling pictures to be made of a very wide area from 6 ft. upwards.

SPECIFICATION

BODY	All metal ; two parts only ; very strong.
METAL MASK	Mask for 16 pictures is housed in the front of the cone when not in use.
VIEW FINDERS	Two Brilliant type with clear indications of the field of view when the mask for the smaller size is in position.
SHUTTER	Gives Time and Instantaneous speeds.
DOUBLE EXPOSURE PREVENTION DEVICE	Prevents the shutter from being released until the film has been wound to the next number.
LENS	Ensign All-Distance, sharp from 5-6 ft. upwards.
WINDER	Silent in operation and with easily worked knob.
PICTURE SIZE	For 8 pictures $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6×9 cm.) or 16 pictures $2\frac{1}{4} \times 1\frac{5}{8}$ in. (6×4.5 cm.).

PRICES

All-Distance Lens. T. and I. shutter	...	...	...	...	8/6
Carrying Cases—Tan Mail	...	...	...	...	2/6
Mohair Dark Brown	...	...	...	...	2/6
Tripod Attachment	...	...	...	...	2/-
Films—Ensign Ortho E-20	...	...	...	...	1/-
Ensign Ultrachrome EC-20	...	...	...	...	1/2
Ensign Fine Grain Pan. EFP-20	...	...	...	...	1/6



THE

Ensign

MIDGET

“ IF ONLY . . . ”

How often have you said, “If only I had my camera, what a splendid picture that would have made” ?

Almost every moment of the day **something** is happening, **something** of interest, **something** that you see, possibly will never see again and would give a good deal to place on record for ever. It may be Fido suddenly and unexpectedly becoming “almost human,” a relative or friend on the deck of an East-bound steamer waving “good-bye” to the Homeland and not to return for many years, or the Crystal Palace grandly crashing to its ruin in the most magnificent “set-piece” of its long and honourable career.

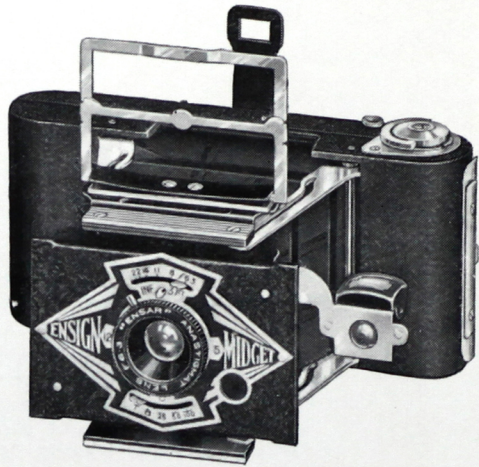
These are the great moments of life and—they are happening in one form or another every day. They have happened to you and how many times you must have said, “If only . . . !”

The story of the Ensign Midget is the story of an “If only . . .” who determined never to say “If only . . .” again. He realised that to capture these precious fleeting pictures, his camera must always be at hand, always ready to bring quickly to the eye and—click. Obviously he could not **always** carry even the most pocketable of pocket cameras, even the slimmest wasn't slim enough.

He patiently set to work, therefore, and evolved a camera which, although of very little greater bulk than a cigarette lighter, is a precision instrument as capable of taking good photographs as its bigger and more expensive brothers. Further, it has this advantage, that it can **always** be worn “just like a watch.”

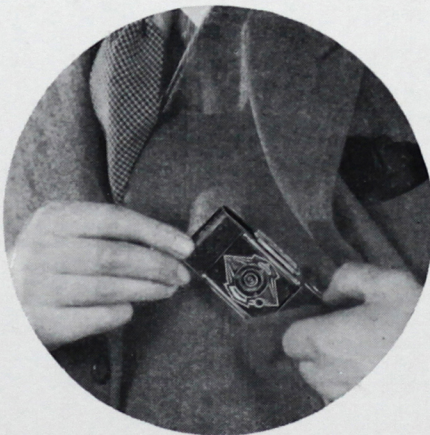
Ensign then made it possible for all other “If only . . . s” to enjoy the same advantage and so the now famous Ensign Midget was born. To-day it is being worn by tens of thousands of happy photographers who, also owning a “big brother” for the more leisurely moments of life, are never at a loss for a picture even in the most unexpected circumstances.

ENSIGN MIDGET



FOR 6 PICTURES $1\frac{1}{4} \times 1\frac{5}{8}$ in.
(3×4 cm.) on size E-10 film.

“A CAMERA FOR EVERYDAY WEAR”



The perfect camera for the opportunist. Fits unnoticed in the waistcoat or handbag, ready for use at a moment's notice. Enables the most to be made of the unexpected picture—so often the best.

The Ensign Midget is a truly remarkable production. Nevertheless, it is a practical camera from every point of view. Though taking a comparatively small picture—actually rather larger than the generally accepted “miniature” size—it nevertheless produces results from which enlargements up to any reasonable size can be made.

It is useful either as a single camera, or as an accessory to a general photographic equipment, for the very reason that it is so small and pocketable that it can be carried anywhere at any time without its presence being noticed. The picture size is $1\frac{1}{4} \times 1\frac{5}{8}$ in. (3×4 cm.).

BODY	..	..	..	Made throughout of metal beautifully finished in crystalline enamel and best quality nickel plate. Detachable back.
BELLOWS	..	..	..	First quality leather, specially selected.
LENSES	..	..	..	Models 22 and 33—Ensign All-Distance. Model 55—Ensign Ensar f/6.3 Anastigmat.
SHUTTERS	..	..	..	Model 22—Time and Instantaneous. Models 33 and 55—3-speed, 1/25, 1/50, 1/100 of a second, Time and Bulb.
VIEW FINDERS	..	..	..	Reflex housed behind the front and reversible for both directions. Direct vision frame type with sighter on Models 33 and 55. Collapsible eye-level type only on Model 22.
CASE	..	..	..	Leather slip type with fastener (M/22 leather cloth).
LOADING	..	..	..	Films are carried on hinged spool holders.
SIZE OF CAMERA	..	..	..	$3\frac{1}{2} \times \frac{5}{8} \times 1\frac{3}{4}$ in. ($9 \times 1.5 \times 4.5$ cm.); Picture $1\frac{1}{4} \times 1\frac{5}{8}$ in. (3×4 cm.).
WEIGHT	..	..	..	6 oz. (160 gms.).
FILM	..	..	..	Size E-10—6 exposures.

M/22 All-Distance lens	T.l. shutter	...	...	...	23/-
M/33 All-Distance lens	3-speed shutter	...	...	...	35/-
M/55 Ensar Anastigmat f/6.3	3-speed shutter	...	...	...	57/6
Traveller Outfit—M/55 in leather case to hold 4 films and colour filter					£3 7 6
Solid brown leather Carrying Case					4 6
Green Colour Filter 2X in mount (for M/55 only) complete in pouch case					8 6
Yellow or Orange 9/- U.V. 9/6 Optigrad 10/6					3 6
Shutter Release for time exposures					2 6
Tripod Attachment					6
Films—Six exposures (packed in pairs):—					
Ensign Ortho E-10				each	6d.
Ensign Ultrachrome EC-10				..	7d.
Ensign Fine Grain Pan. EFP-10				..	9d.

ENSIGN DOUBLE-8



FOR 16 pictures
 $1\frac{5}{8} \times 1\frac{1}{4}$ in. (4×3 cm.)
 on size E-27 (V.P.) FILM.

The Ensign Double-8 camera takes 16 pictures on the standard vest pocket size E-27 film, the picture size being $1\frac{5}{8} \times 1\frac{1}{4}$ in., rather larger than the normal miniature. It is small enough to be carried in the waistcoat pocket without being noticed and being fitted with an f/4.5 lens, is suitable for almost any type of subject in any reasonable light.

The fact that it will take 16 pictures without reloading is also exceedingly useful, as this number is not too many to be exposed in a reasonable time or too few to necessitate constant reloading.

SPECIFICATION

BODY	.. ..	All metal, covered in handsome diced leather cloth. Hinged back, opening conveniently for loading.
BELLOWS	.. ..	First quality leather.
LENS	.. ..	Ensign Ensar f/4.5 Anastigmat — front cell focussing.
SHUTTER	.. ..	3-speed 1/25, 1/50, 1/100, Time and Bulb.
FRONT	.. ..	Carried on sturdy struts. Depth of focus scale fitted to the back.
VIEW FINDER	.. ..	Specially designed optical direct.
SIZE OF CAMERA	.. ..	$3\frac{5}{8} \times 2\frac{3}{8} \times 1$ in. ($9 \times 6 \times 2.5$ cm.).
WEIGHT	.. ..	10 oz. (280 gms.).
CASE	.. ..	Morocco leather slip case.
SIZE OF PICTURE	.. ..	16 exposures $1\frac{5}{8} \times 1\frac{1}{4}$ in. (4×3 cm.) on size E-27 film.

PRICE (complete in slip case)

Ensar Anastigmat f/4.5 3-speed shutter	.. ..	£3 2 6
Green Colour Filter in mount, 2X, in pouch case	.. ..	8/6
Yellow or Orange 9/- U.V. 9/6 Optigrad 10/6	.. ..	
Shutter Release for Time Exposures	.. ..	3/6
Films—Ensigh Ortho E-27	.. ..	1/-
Ensigh Ultrachrome EC-27	.. ..	1/2
Ensigh Fine Grain Pan. EFP-27	.. ..	1/6

SHUTTERS used on ENSIGN CAMERAS

SINGLO

A reliable everset shutter giving 1/25 and 1/75 sec., also Bulb and Time.

ENSIGN

A neat everset shutter of handsome appearance giving 1/25, 1/50, 1/100 sec., also Bulb and Time.

VARIO

A 3-speed pre-set shutter giving 1/25, 1/50, 1/100 sec., also Bulb and Time.

PRONTO

A 4-speed pre-set shutter, with delayed action, giving 1/25, 1/50, 1/100, 1/125 sec., also Bulb and Time.

PRONTOR

A 4-speed pre-set shutter, with delayed action, giving 1/25, 1/50, 1/100, 1/125 sec., Bulb and Time.

PRONTOR II

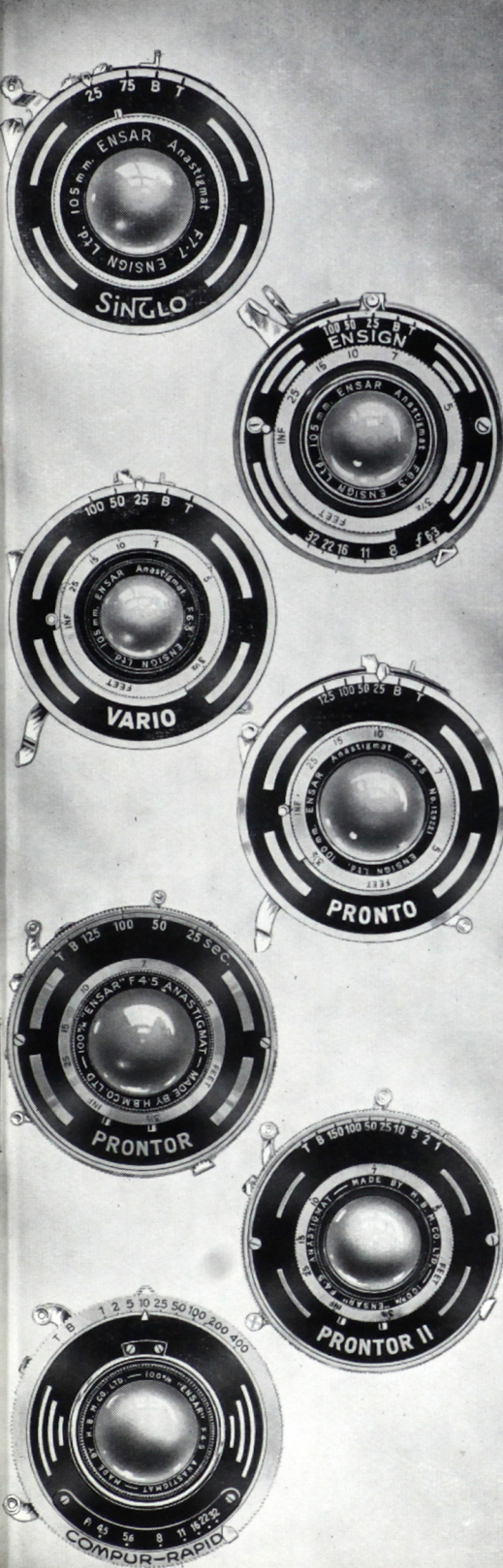
8-speed delayed action, pre-set, gives 1, $\frac{1}{2}$, 1/5, 1/10, 1/25, 1/50, 1/100, 1/150 sec., Bulb and Time.

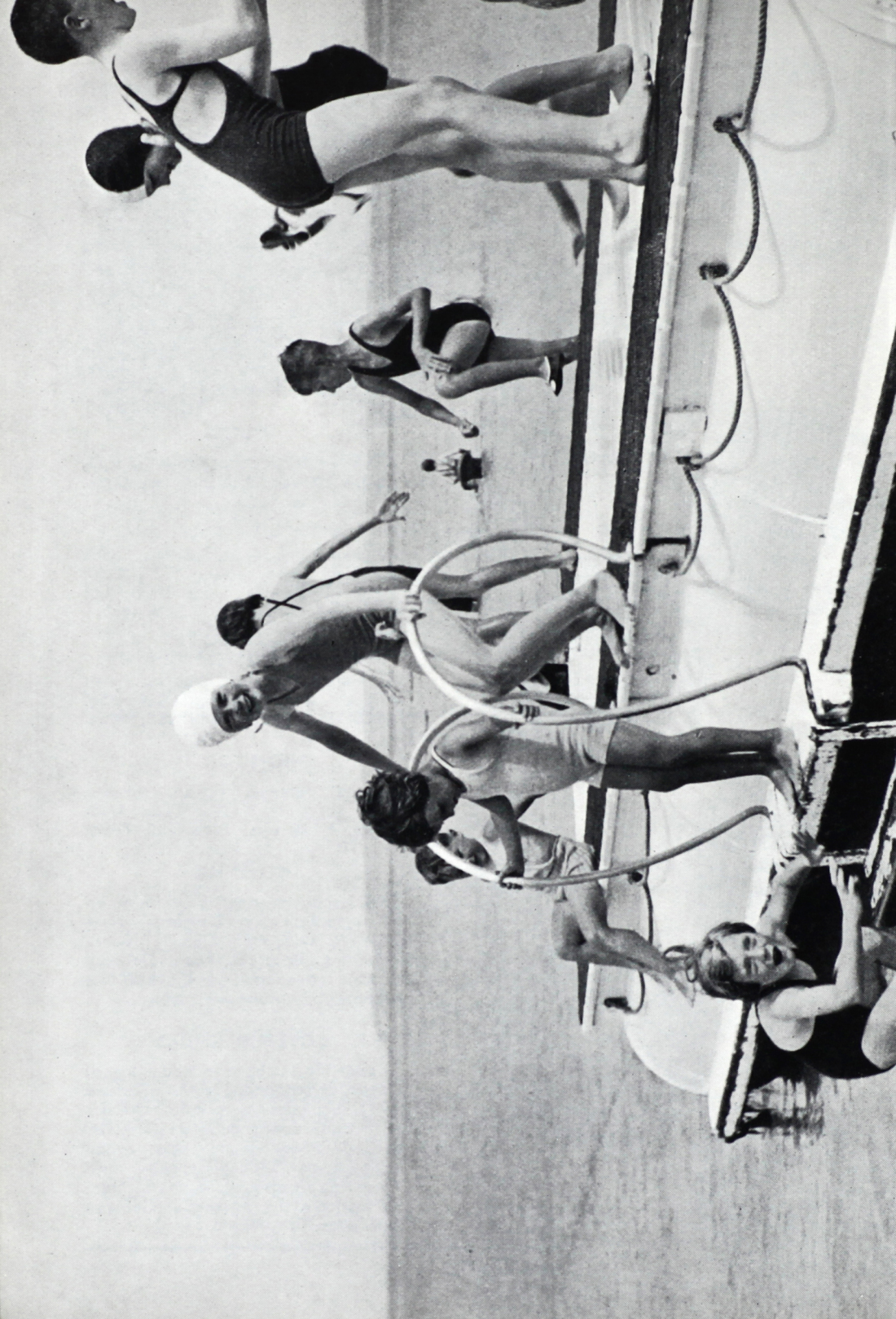
COMPUR

This famous shutter is available on all suitable Ensign Cameras—gives 1, $\frac{1}{2}$, 1/5, 1/10, 1/25, 1/50, 1/100 and 1/250 sec., Bulb and Time. Delayed action movement on all but the highest instantaneous speed.

COMPUR RAPID

In addition to the standard range of speeds given above (1/200th instead of 1/250th) the Compur Rapid has a real high speed setting of 1/400 second which is suitable, when coupled with a large aperture lens, for giving sharp pictures of extremely fast moving objects. Delayed action as Compur.





THE



POCKET E-20 CAMERA

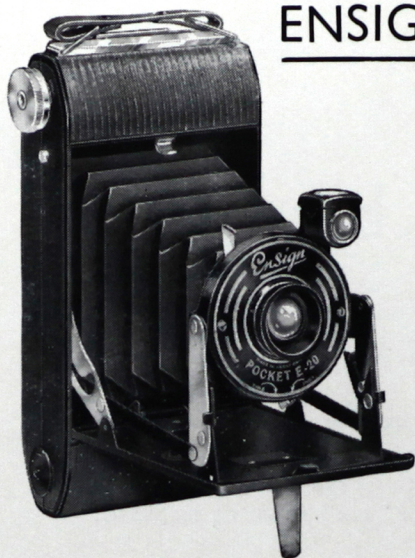
*M*any beginners escape the box camera stage entirely and commence with a folding model. The convenience with which this type of camera can be carried compared with the "box" needs no emphasis.

No better folding camera for a beginner is to be found in any maker's catalogue than the Ensign Pocket E-20. Constructed entirely of metal and covered with handsome leather cloth, its graceful tapering ends and slim body enable it to be easily carried in almost any normal pocket.

A particular feature of the Pocket E-20 is the hinged back, a feature until recently only found on the more expensive types of camera.

There are two models from which to choose. One is fitted with the famous Ensign All-Distance lens, in two-position focussing mount, which gives sharp definition at all distances from 3 feet upwards. Complete with excellent case of stout leather cloth this model is available for the modest amount of 27/6—unique value in folding cameras.

The second model is equipped with an Ensar f/7.7 anastigmat lens, which greatly extends the scope of the camera and ensures most satisfactory results. It is also fitted with the very popular "direct-vision" type of finder. At the price of 45/- it is another outstanding example of Ensign value.



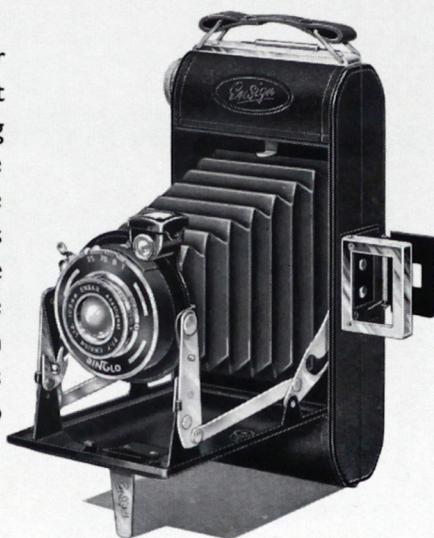
The Ensign Pocket E-20 Camera is the ideal camera for a beginner. It is made throughout of metal, is remarkably light though essentially strong and sturdy. The lens support is self-erecting and is brought into position by an exceedingly simple and efficient mechanism. The camera is contained in a handsome leather cloth case with sling strap.

BODY	..	..	..	All metal with hinged back. Easy loading spool pins, leather handle.
FRONT	..	..	..	Self-erecting upon opening the baseboard.
FOCUSSING	..	..	..	Camera is focussed for all distances from 3 ft. to infinity. Two positions only.
VIEW FINDERS	..	..	..	Reversible reflex fitted to front.
TRIPOD BUSH	..	..	..	On baseboard.
COVERING	..	..	..	Handsome ribbed leather cloth.
FINISH	..	..	..	Black eggshell enamel and nickel-plated fittings.
LENS	..	..	..	Ensign All-Distance in two-position focussing mount giving sharp definition at all distances from 3 ft. upwards.
SHUTTER	..	..	..	One-way lever, giving Time and Instantaneous exposures.
SIZE	..	..	..	$6\frac{1}{2} \times 3\frac{1}{4} \times 1\frac{1}{2}$ in. (16.5 x 8.25 x 3.75 cm.).
WEIGHT	..	..	..	16 oz. (454 gms.).
PICTURE SIZE	..	..	..	$2\frac{1}{4} \times 3\frac{1}{4}$ in. (6 x 9 cm.).
CASE	..	..	..	First quality morocco grained leather cloth case with bound edges.

All-Distance Lens.	T.	and I.	Shutter	...	...	...	...	27/6
Films—Ensign Ortho E-20	...	...	...	...	...	...	...	1/-
Ensign Ultrachrome EC-20	...	...	...	...	...	...	...	1/2
Ensign Fine Grain Pan. EFP-20	...	...	...	...	...	...	...	1/6

For filters and accessories see pages 46-52.

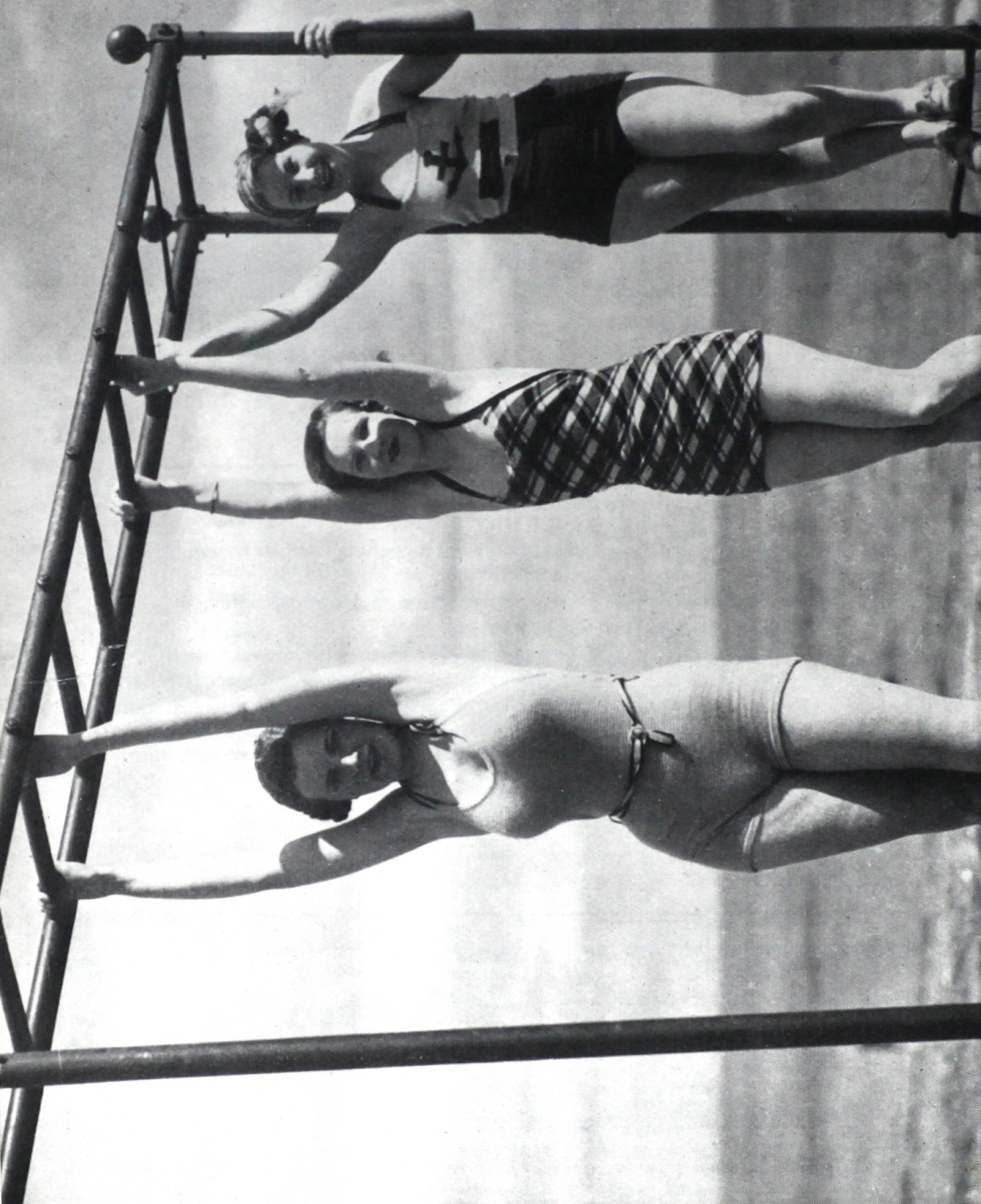
A new model of this most popular folding camera. Fitted with excellent anastigmat lens and shutter giving $1/25$ and $1/75$ second, as well as Time and Bulb. It is **the** camera for the more ambitious beginner, for it is simple to use and at the same time gives most satisfactory results. Made throughout of metal, covered with durable leather cloth. The lens support is self-erecting, coming into position as the baseboard is pulled down.



BODY	..	..	..	All metal with hinged back. Easy loading spool pins, leather handle.
FRONT	..	..	..	Self-erecting upon opening the baseboard.
BELLOWS	..	..	..	Selected leather.
VIEW FINDERS	..	..	..	Direct vision frame and optical reflex.
TRIPOD BUSH	..	..	..	On baseboard.
COVERING	..	..	..	Fine grain leather cloth with tooled panel.
FINISH	..	..	..	Black eggshell enamel and nickel-plated finish.
LENS	..	..	..	Ensar f/7.7 anastigmat with front lens cell focussing down to 6 ft.
SHUTTER	..	..	..	Singlo, speeded $1/25$, $1/75$ sec., Time and Bulb.
SIZE	..	..	..	$6\frac{1}{2} \times 3\frac{1}{4} \times 1\frac{1}{2}$ in. ($16.5 \times 8.25 \times 3.75$ cm.).
WEIGHT	..	..	..	16 oz. (454 gms.).
PICTURE SIZE	..	..	..	$2\frac{1}{4} \times 3\frac{1}{4}$ in. (6×9 cm.).

Ensar Anastigmat f/7.7.	Singlo shutter	...	...	£2	5	0
Films—Ensigh Ortho E-20	...	...	...	...	...	1 0
Ensigh Ultrachrome EC-20	...	...	...	...	...	1 2
Ensigh Fine Grain Pan. EFP-20	...	...	...	...	...	1 6

For filters and accessories see pages 46-52.



THE

Ensign

SELFIX - 320

*T*he most popular of all Ensign Cameras during recent years have undoubtedly been the Ensign Selfix series. Their popularity and reliability have been proved over and over again.

The Ensign Selfix-320, which was introduced last year, has shown itself to be a worthy successor to the Ensign Selfix-20. It is constructed entirely of metal and is fitted with a hinged back. The lens mounting is self-erecting to an exceptionally rigid position and the bellows are made of carefully selected leather.

Two types of view finder are fitted, the optical reflex on the front of the camera, and a direct vision folding frame pattern with hinged mask for smaller size fitted into the front frame.

The camera is covered in high quality fine grain leather cloth and is elegantly panelled. The higher-priced models are neatly lined with attractive chromium beading and are fitted with the Ensign remote body shutter release operated by gently pressing a button on the side of the camera. They are equipped with Ensar f/6.3 and f/4.5 Anastigmat Lenses, sound optical equipment which has now long withstood the critical tests of time and universal use.

Two sizes of pictures, $2\frac{1}{4} \times 3\frac{1}{4}$ in. and $2\frac{1}{4} \times 1\frac{5}{8}$ in., on ordinary E-20 film are available, and masks are provided in all models for this purpose.

For good quality apparatus at really low prices, there is honestly nothing to compare with this excellent range of Ensign cameras.

ENSIGN SELFIX - 320



Model S/320/2V

FOR 8 PICTURES $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6×9 cm.)
or 16 PICTURES $2\frac{1}{4} \times 1\frac{1}{8}$ in. (6×4.5 cm.)
on size E-20 film.

S/320/2 and S/320/3—black beaded edges.
S/320/2V and S/320/3V—chromium beaded edges.

ENSIGN SELFIX - 320

The Ensign Selfix-320 replaces the famous Ensign Selfix-20. It embodies many improvements and is a first-class general purpose camera for all occasions.

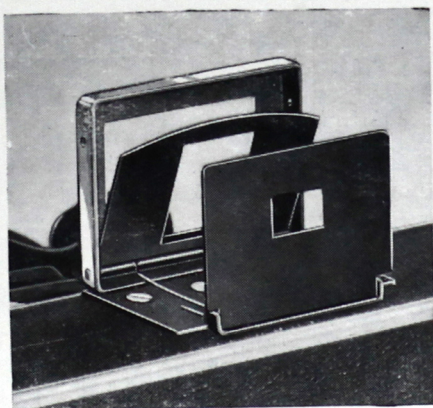
The camera is made throughout in metal and is covered in handsome fine grain leather cloth of particularly pleasing design and exceedingly durable quality. The lens is self-erecting as the baseboard is pulled down.

This model is essentially practical in design and whilst embodying all the features necessary for the making of good pictures, nevertheless is free from cumbersome gadgets. A particular advantage is that it will take either 8 pictures $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6×9 cm.) or 16 pictures $2\frac{1}{4} \times 1\frac{5}{8}$ in. (6×4.5 cm.) on size E-20 film. The smaller size picture is obtained by inserting a mask in the camera body and bringing into position a hinged mask in the view finder frame.

Models fitted with Vario shutters are also fitted with remote release placed conveniently on the body of the camera.



Selfix-320—2V and 3V are fitted with body shutter release.



View finder has hinged mask for smaller size.

ENSIGN SELFIX - 320

SPECIFICATION

BODY	All metal with hinged back.
FRONT	Self-erecting upon opening the baseboard.
BELLOWS	Selected leather.
COVERING	Fine grain leather cloth. Elegant panelling. Leather handle.
VIEW FINDERS	Optical reflex fitted to front. Direct vision folding frame pattern with hinged mask for smaller size fitting into the front frame.
TRIPOD BUSHES	On body and baseboard.
FINISH	Black enamel and chromium plate.
BODY RELEASE	Models 320/2V and 3V are fitted with remote shutter release operating from the body.
LENSES	Ensign Ensar Anastigmat, f/6.3 or f/4.5.
FOCUSSING	Down to $3\frac{1}{2}$ ft. by rotating the front lens cell.
SHUTTERS	Ensign 3-speed. Vario 3-speed.
SIZE	$6\frac{1}{2} \times 3\frac{1}{4} \times 1\frac{1}{2}$ in. ($16.5 \times 8.25 \times 3.75$ cm.).
WEIGHT	16 oz. (454 gms.), varies slightly according to lens and shutter.
PICTURE SIZES	Eight $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6×9 cm.), or sixteen $2\frac{1}{4} \times 1\frac{1}{8}$ in. (6×4.5 cm.). Size E-20 film.

PRICES

STANDARD MODEL, *black beaded edges.*

S/320/2	Ensar Anastigmat f/6.3	Ensign 3-speed Shutter	£2 15 0
S/320/3	Ensar ..	f/4.5 Ensign 3-speed ..	3 15 0

BODY RELEASE MODEL, *chromium beaded edges.*

S/320/2V	Ensar Anastigmat f/6.3	Vario Shutter	3 17 6
S/320/3V	Ensar ..	f/4.5 Vario ..	4 12 6

Films—Ensign Ortho E-20	...	1/-
Ensign Ultrachrome EC-20	...	1/2
Ensign Fine Grain Pan. EFP-20	...	1/6

For filters and accessories see pages 46-52.



THE

Ensign

SELFIX - 220

*T*he Ensign Selfix-220 series is the embodiment of every recent development in modern camera manufacture. The amateur photographer of to-day expects of his camera that it be unfailingly efficient, absolutely reliable, wholly simple in operation and quite unobtrusive. This series fulfils all these conditions and every model is a delight to use.

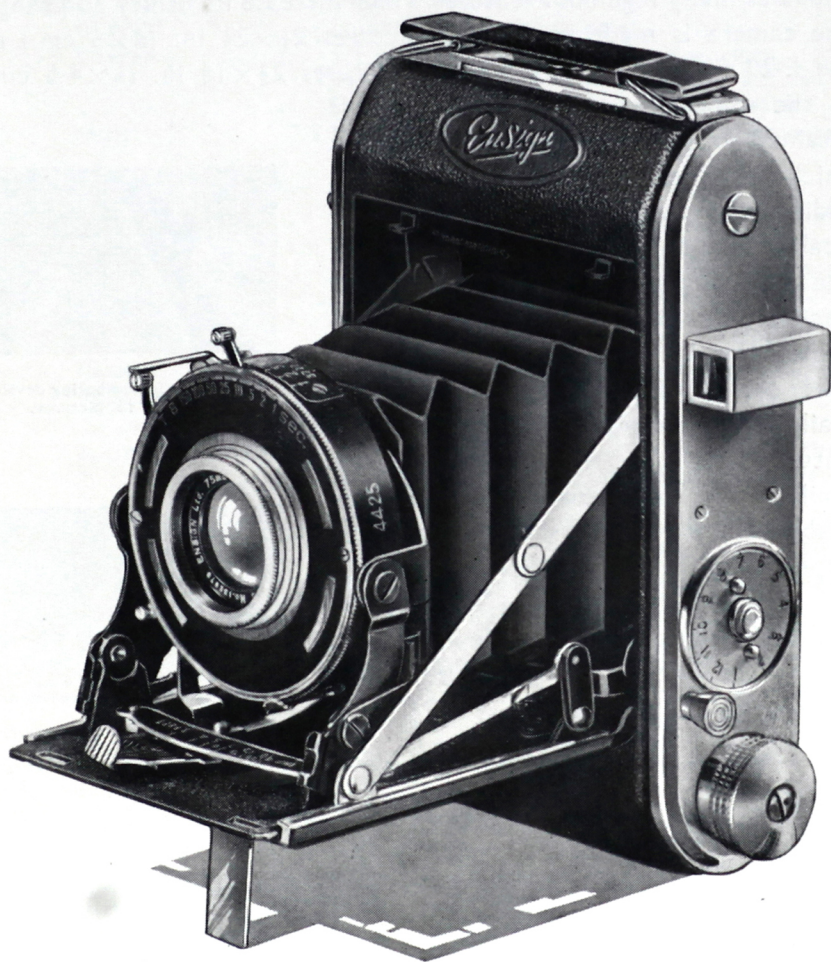
Pressing a button at the side of the camera, the lens and shutter mounting quietly but unhesitatingly drops into position, completely erected and ready for use. Bringing the camera to the eye at the position of the direct vision viewfinder, it will be found that this component gives an unusually brightly illumined and crystal clear image. Focussing is a joy, a radial lever being conveniently available at the end of the base-board and the scale being graduated in multiples of 3 feet. The correct setting is easily estimated by making paces to the subject from the camera. As it is set at each distance, the nearest and farthest points in focus at that setting and any given lens aperture is automatically and immediately shown.

Two picture sizes are available in all models; twelve $2\frac{1}{4} \times 2\frac{1}{4}$ in. or sixteen $2\frac{1}{4} \times 1\frac{1}{8}$ in. The unique mechanical film counter of exclusive Ensign design is available for **both** sizes and changing from one size to the other is an easy and speedy matter. It being realised that loose parts of any camera are undesirable, the masking feature is an integral part of the camera and its two separate components are neatly hinged and safely housed in the separate spool chambers when not in use.

The cameras are fitted with a wide range of lenses and shutters, comprising the pick of the world's acknowledged best mechanical and optical equipment. In many cases, the shutter can be operated by the Ensign "body release," a modern refinement which combines ease of shutter control with complete elimination of the danger of movement of the camera during exposure.

These all-British cameras are the finest of their kind and range in prices to suit all pockets.

ENSIGN SELFIX - 220

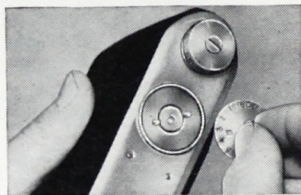


FOR 12 PICTURES $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6×6 cm.)
or 16 PICTURES $2\frac{1}{4} \times 1\frac{5}{8}$ in. (6×4.5 cm.)
on size E-20 film.

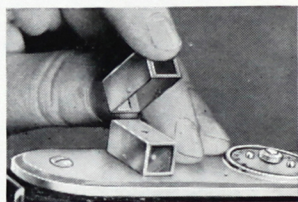
ENSIGN SELFIX - 220

The beautiful appearance of the Ensign Selfix-220 camera makes instant appeal. It is a camera of exceptional merit and performance and embodies many ingenious features which increase its utility and range. The camera is made to take 12 pictures $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6×6 cm.) on size E-20 film, or alternatively 16 pictures $2\frac{1}{4} \times 1\frac{5}{8}$ in. (6×4.5 cm.) on the same film. The smaller size is obtained not by the usual detachable mask which easily becomes lost, but by integral folding pieces which close down on to the focal plane.

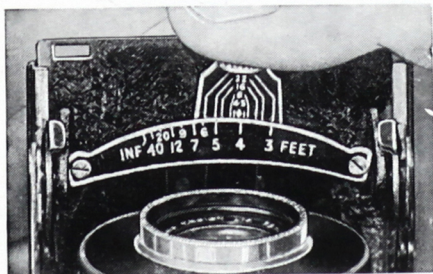
The front is one hundred per cent self-erecting and immediately swings into position on pressing the body catch. A wide choice of lenses and shutters is available to suit every taste. A particular feature is the mechanical winding device available for both sizes of picture, which enables the use of the red window to be dispensed with after the first number has been brought into position. The window itself is fitted on the end of the body, thus freeing the back from all external projections.



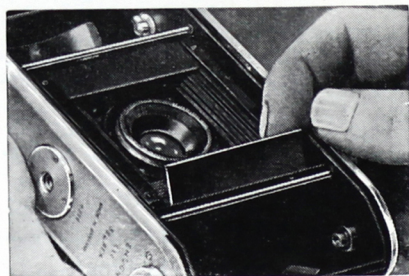
The automatic numbering device for 12 or 16 pictures.



View finder casing has different size opening at each end and is reversible, providing correct mask for each size.



Focussing is by radial lever. The front automatically returns to infinity when the camera is closed. The lever is fitted with depth of focus scale working in conjunction with the focussing scale.



Hinged masks folding over the camera aperture give smaller size for 16 pictures $2\frac{1}{4} \times 1\frac{5}{8}$ in.

ENSIGN SELFIX - 220

SPECIFICATION

BODY	Made throughout of metal with satin chromium sides and hinged back fitted with suitable pressure device.
FITTINGS	Polished and satin chrome.
COVERING	S/1, S/2 and S/3—ribbed leather cloth. S/3P and S/4P—fine grain leather cloth. S/5 and all Compur models—fine grain Persian leather.
FRONT	100 per cent self-erecting shockless movement on pressure of the release knob.
TRIPOD BUSHES ..	On body and baseboard.
FILM NUMBERING ..	By mechanical counting device geared to winder, available for both sizes.
FOCUSSING	Combined focussing and depth of focus scale, focussing by radial lever. Lever automatically returns to infinity when closed, whatever position it is left in.
MASKS	For smaller size, integrally fitted and hinged.
VIEW FINDER	Direct optical fitted with detachable cover providing alternative masks for both sizes.
BODY RELEASE	The models 3/P, 4/P, 5, 8, 9I and 8I are fitted with the new remote shutter release conveniently placed on the side of the body.
LENSES	Ensign Ensar f/7.7, f/6.3, f/4.5, Lukos f/3.5, Schneider Xenar f/4.5 or Zeiss Tessar f/4.5.
SHUTTERS	Ensign 3-speed, Prontor, Prontor II or Compur.
SIZE	5½ × 4 × 1¾ in. (19 × 14 × 4.25 cm.).
WEIGHT	23 oz. (660 gms.), varies slightly according to lens and shutter.
PICTURE SIZE	For 12 pictures 2½ × 2½ in. (6 × 6 cm.) or 16 pictures 2½ × 1⅝ in. (6 × 4.5 cm.) on size E-20 film.

PRICES

Ribbed leather cloth covering.

S/220/1	Ensar Anastigmat f/7.7	Ensign 3-speed Shutter	£3 5 0
S/220/2	Ensar „ f/6.3	„ „ „	3 15 0
S/220/3	Ensar „ f/4.5	„ „ „	4 10 0

With body release, and fine grain synthetic leather covering.

S/220/3P	Ensar Anastigmat f/4.5	Prontor Shutter	... 5 10 0
S/220/4P	Ensar „ f/4.5	Prontor II „	... 6 10 0

With body release and fine grain leather covering.

S/220/5	Ensar Anastigmat f/4.5	Compur Shutter	... 7 17 6
S/220/8	Lukos „ f/3.5	Compur „	... 8 17 6
S/220/9I	Schneider Xenar f/4.5	Compur „	... 9 15 0
S/220/8I	Zeiss Tessar f/4.5	Compur „	... 10 17 6

Films—Ensign Ortho E-20	... ..	1/-
Ensign Ultrachrome EC-20	... ..	1/2
Ensign Fine Grain Pan. EFP-20	... ..	1/6

For filters and accessories see pages 46-52.



THE

Ensign

SELFIX-420

*T*his year sees the introduction of yet another addition to the famous ENSIGN SELFIX family—this time the “420.” Modern Ensign Cameras, as well as being undeniably efficient, are also most attractive in appearance. The newcomer is no exception to this now firmly established rule. Its shapely body, tapering gracefully at the ends, is covered in durable choice grained synthetic leather, edged in bright chromium.

The excellent impression of immaculate efficiency, gained on seeing the camera for the first time, is confirmed on making a closer inspection. The catch releasing the hinged back responds unhesitatingly, a perhaps small, but none the less important, item. The opening reveals a beautifully finished interior—irresistibly attractive in egg-shell enamel. The masks, which are an integral part of the camera, fold away into the spool chambers and make it possible to use the fascinating $2\frac{1}{4} \times 2\frac{1}{4}$ in. size, as well as the standard $2\frac{1}{4} \times 3\frac{1}{4}$ in.

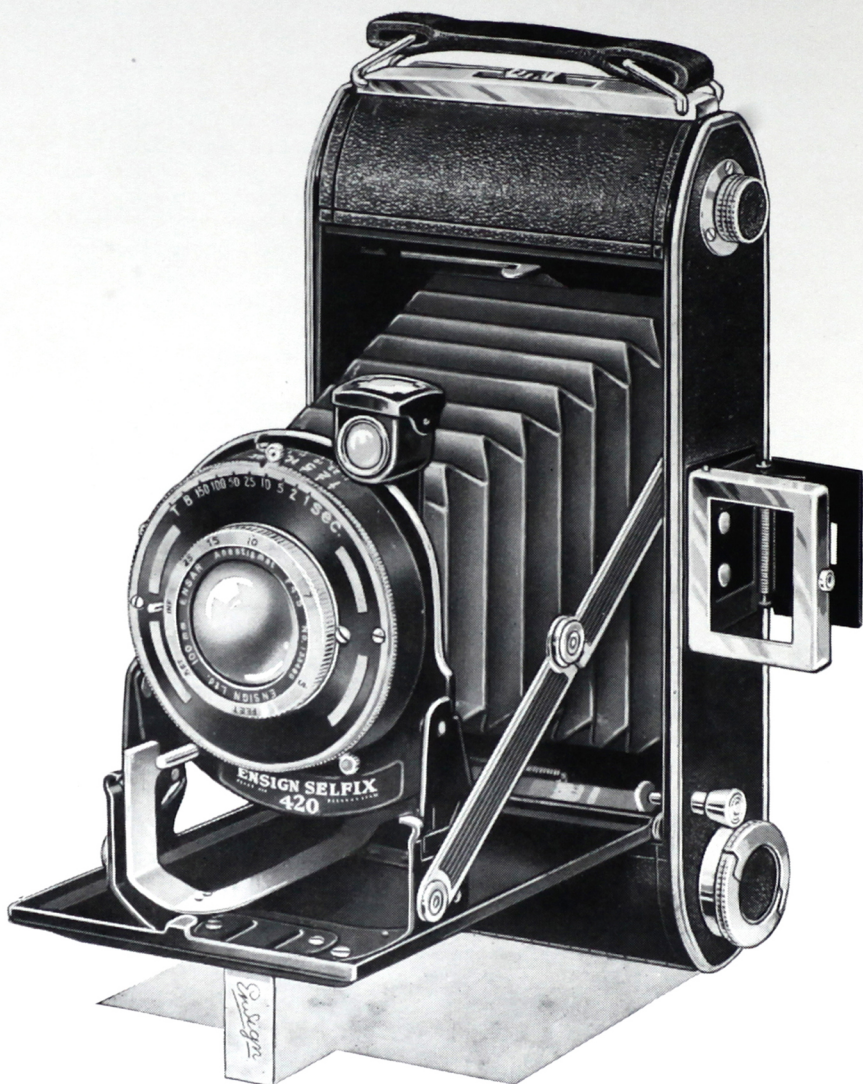
Closing the camera again, it will be noticed that the designer has carefully grouped all the necessary projections on one side of the camera, a very useful and desirable arrangement. Here is the body release, which, combined with the use of the direct-vision finder, makes picture taking at eye-level an unalloyed pleasure. The spool winder is a first-class job, workmanlike though dignified, and enhances the general appearance of the camera.

The camera is instantly self-erecting to an extremely rigid position and can be speedily folded away.

In conclusion, it may be mentioned that all bright parts are chromium-plated and everything possible has been done to make this camera a first-class British production. We feel we can justly claim to have been successful.

It is available in a variety of lens and shutter equipments and the prices are highly competitive.

ENSIGN SELFIX - 420



FOR 8 PICTURES $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6 × 9 cm.)
or 12 PICTURES $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6 × 6 cm.)
on size E-20 film.

ENSIGN SELFIX - 420

The Ensign Selfix-420 is a superb new 1939 model, with a gracefully shaped die-cast body of specially light alloy, covered in durable choice grained synthetic leather and with distinctive chromium and black enamel fittings.

Using size E-20 film it gives eight pictures of the popular $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6×9 cm.) size, or alternatively, by the use of hinged internal masks, twelve pictures size $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6×6 cm.). The runner surfaces over which the film passes are machined to give absolute accuracy.

Two sliding ruby windows are fitted, one for eight pictures and the other for twelve pictures, with the respective numbers clearly marked on sliding covers.

The lens panel is 100 per cent self-erecting, and the camera is in every respect a real pleasure to handle.

A conveniently situated body shutter release is fitted to all models.



The handily placed body shutter release, and direct vision view finder, enable vibrationless pictures to be easily secured.



Winding the film for 8 exposures. Two ruby windows are fitted, one for 8 and the other for 12 exposures. The respective numbers are clearly marked on the sliding covers.

ENSIGN SELFIX - 420

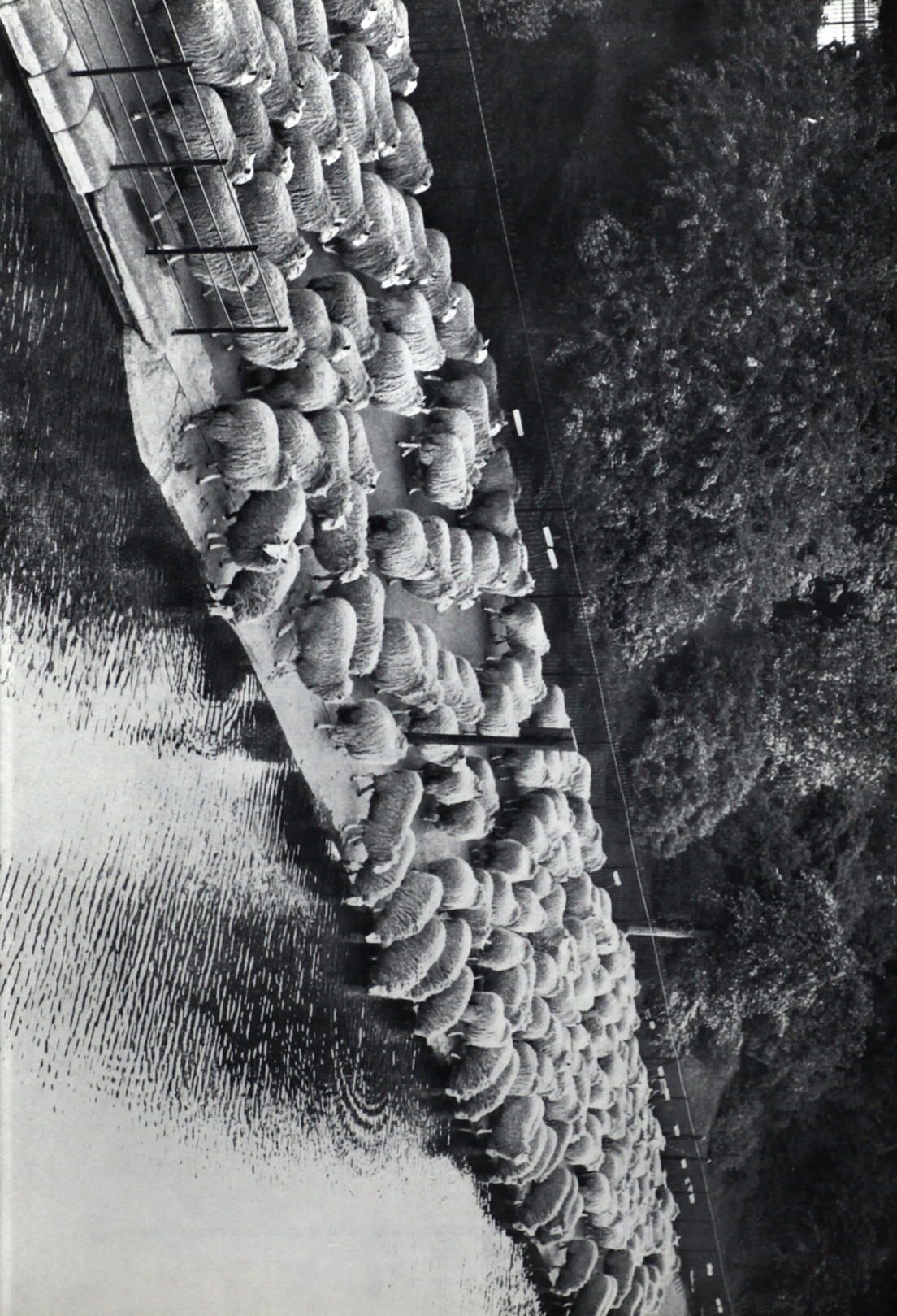
SPECIFICATION

BODY	All-metal die casting of a special light alloy making for exceptional stability throughout the camera without increasing weight. Sides of the body are panelled and edges finished chromium plate. Leather handle.
FRONT	100 per cent self-erecting. Easily springs into rigid position in one movement.
BACK	Hinged and fitted with pressure plate. Provided with separate windows for both picture-sizes with sunk sliding covers engraved with respective number of exposures.
MASKS FOR $2\frac{1}{4} \times 2\frac{1}{4}$ in.	Pivoted internally, fold away into the spool chambers when not required.
FOCUSSING	By rotating the front lens. Down to $3\frac{1}{2}$ ft.
BASEBOARD	The shape is domed to eliminate corners and prevent wear. Enables the camera to slip easily into the pocket. Fitted with leg and handsomely tooled.
VIEW FINDERS	Reflex. Reversible for upright and landscape pictures. Also Folding Direct Vision Frame Finder operating with hinged mask for $2\frac{1}{4} \times 2\frac{1}{4}$ in. size.
TRIPOD BUSHES ..	On body and baseboard.
BELLOWS	Best quality leather.
COVERING	Specially selected fine grain synthetic leather.
FINISH	Black enamel and chromium-plated fittings.
SPOOL WINDER ..	Combined key and knob.
SHUTTER RELEASE ..	Placed in a convenient position on the body; the release knob being constantly in position for operating shutter and not requiring to be pushed into body of the camera after use.
LENSES	Ensign Ensar f/6.3 and f/4.5, Zeiss Tessar f/4.5.
SHUTTERS	Vario, Pronto, Prontor II and Compur.
SIZE	$7 \times 3\frac{1}{2} \times 1\frac{3}{4}$ in. ($17.78 \times 9.21 \times 4.45$ cm.).
WEIGHT	Approximately 26 ozs. (737 gms.).
PICTURE SIZES ..	Takes 8 pictures $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6×9 cm.) or 12 pictures $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6×6 cm.) on size E-20 film.

PRICES

S/420/2V	Ensar Anastigmat f/6.3 Vario Shutter	...	£4 7 6
S/420/3X	Ensar " f/4.5 Pronto	...	5 17 6
S/420/4P	Ensar " f/4.5 Prontor II	...	6 5 0
S/420/5	Ensar " f/4.5 Compur	...	7 12 6
S/420/8I	Zeiss Tessar " f/4.5 Compur	...	10 12 6

For filters and accessories see pages 46-52. Films on page 83.



THE

Ensign AUTORANGE

*I*n the early days of this century, the careful amateur photographer carried his bulky apparatus from place to place, tangling himself with paraphernalia.

To-day we have reached a stage where the equally careful amateur has all the photographic facilities he needs, packed into the amazingly small dimensions of the Ensign AUTORANGE series.

The Autorange enables the most precise focussing to be carried out with unfailing accuracy, automatically.

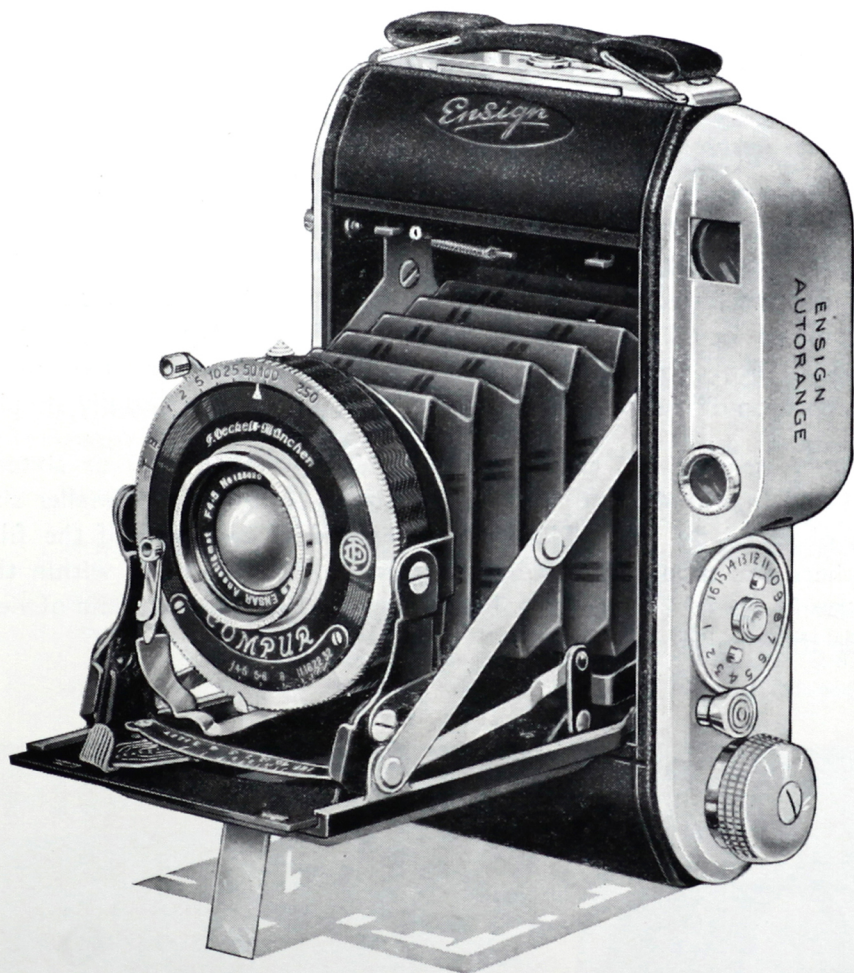
There are two models in the Autorange series, the first being the Autorange-220, in which the combined view finder and range finder is mounted in a gracefully streamlined satin-chrome finished housing.

This is one of the most beautiful, as well as the most reliable, cameras on the market, and the prices suit the really modest pocket.

The second model, the Autorange-20, still holds its special field unchallenged. Here again, the prices are highly competitive and features are included that are to be found on no other range finder models. The rising and cross front is an invaluable asset to the amateur photographer with architectural aspirations, and this is an important and exclusive feature of the Autorange-20. A feature is the flexibly connected shutter release and focussing knob, enabling the shutter to be released immediately the range finder indicates exact focus.

The camera is so well known that it is not really necessary to add that it is robustly constructed on elegant lines, and will give years of good honest service to any reasonably careful owner.

ENSIGN AUTORANGE - 220



FOR 12 PICTURES $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6 × 6 cm.)
or 16 PICTURES $2\frac{1}{4} \times 1\frac{5}{8}$ in. (6 × 4.5 cm.)
on size E-20 film.

ENSIGN AUTORANGE - 220

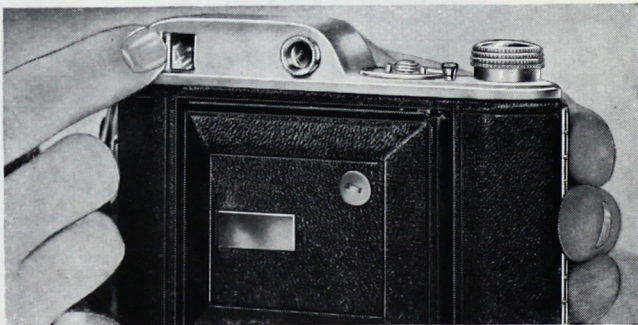
The Ensign Autorange-220, whilst embodying the beauty of design and remarkably practical features of the Ensign Selfix-220, has the greater advantage of a coupled range finder operating in conjunction with the lens. This method of focussing has undoubtedly been accepted as the most accurate known to-day.

In the Autorange-220, the method of housing the range finder within the streamlined side of the body, secures a particularly neat outward appearance and makes it especially pocketable, apart from the modern attractive appearance. The type of range finder fitted combines view finder and focussing, and thus there is no necessity to remove the eye from the focussing lens to the view finder lens before the exposure is made. An exceptionally bright image is obtained and the superimposition of the two images in the range finder is essentially simple.

The Autorange-220 takes twelve $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6×6 cm.) or sixteen $2\frac{1}{4} \times 1\frac{5}{8}$ in. (6×4.5 cm.) pictures on size E-20 film. The smaller size is obtained by two folding masks pivoted at each end of the film rollers and mounted inside the camera. A sliding mask within the view finder (see illustration below) provides the correct field of view for the smaller size.



Ever-ready carrying case enables the camera to be used without removal from the case.



The combined view finder and coupled range finder housed in the streamlined side of the camera. The view finder masking frame for the smaller size picture slides across the opening on the inside.

ENSIGN AUTORANGE - 220

SPECIFICATION

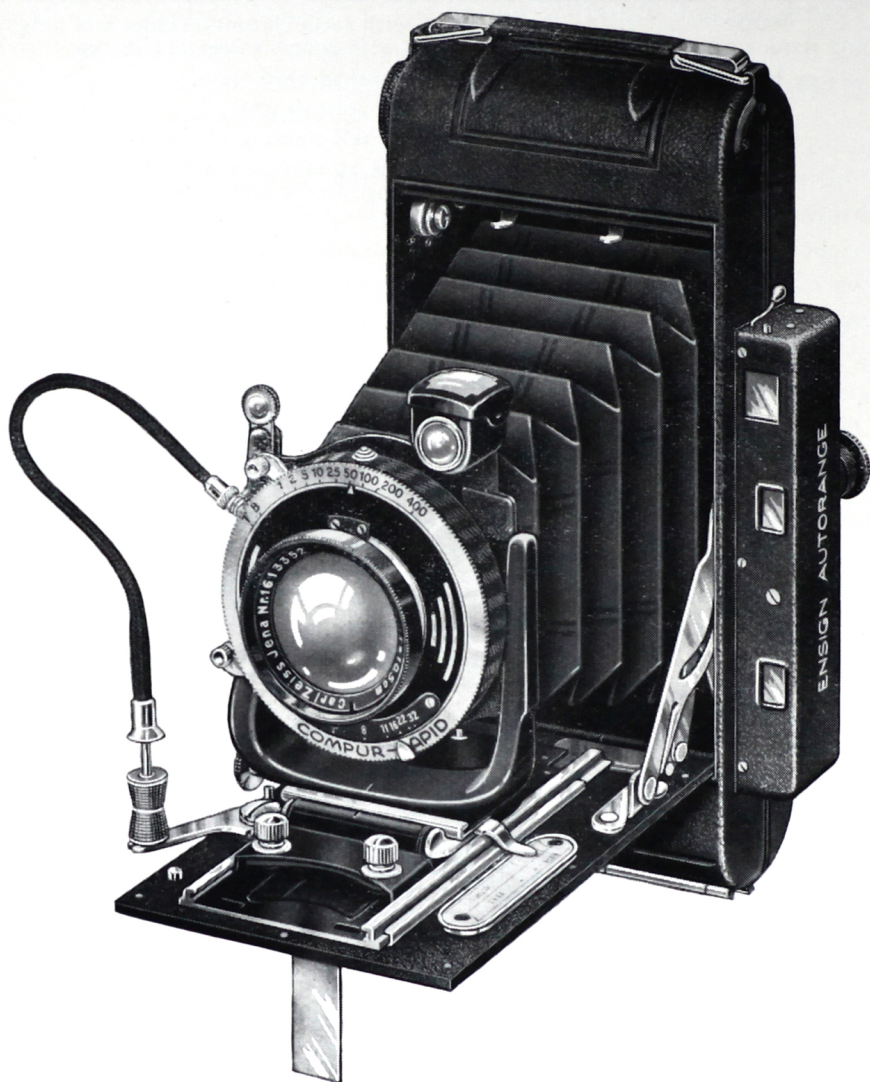
BODY	All metal, with satin chromium sides and hinged back fitted with suitable pressure device.
FITTINGS	Satin and polished chromium.
COVERING	Fine morocco grain leather.
FRONT	100 per cent self-erecting shockless movement.
RANGE FINDER UNIT ..	Housed in the streamlined body of the camera, combined range finder and view finder.
FOCUSSING	By radial lever—easy operation, front automatically returns to infinity position when camera is closed.
DEPTH OF FOCUS ..	Scale fitted to focussing lever and working in conjunction with the focussing scale.
BELLOWS	Best quality leather.
VIEW FINDER	Direct vision optical combined with range finder. Fitted with sliding mask for smaller size picture.
TRIPOD BUSHES ..	On body and baseboard.
FINISH	Eggshell black enamel, satin and polished chromium.
BODY RELEASE ..	The camera is fitted with a new type of remote shutter release fitted conveniently on the body.
FILM NUMBERING ..	By mechanical dial coupled to winder, window not used after No. 1 is in position.
MASKS	For smaller size, fitted integrally and hinged.
LENSES	Ensign Ensar f/4.5, Lukos f/3.5, Schneider Xenar f/4.5 and Zeiss Tessar f/4.5 and f/2.8.
SHUTTERS	Prontor, Prontor II or Compur, all with delayed action.
SIZE	5½ × 4¼ × 1¾ in. (14 × 10.5 × 4.25 cm.).
WEIGHT	25 oz. (706 gms.), varies slightly according to lens and shutter.
PICTURE SIZE ..	Twelve 2¼ × 2¼ in. (6 × 6 cm.) or sixteen 2¼ × 1⅞ in. (6 × 4.5 cm.) on size E-20 film.

PRICES

A/220/3P	Ensar Anastigmat	f/4.5 Prontor Shutter	£8 5 0
A/220/4P	Ensar ..	f/4.5 Prontor II ..	9 5 0
A/220/5	Ensar ..	f/4.5 Compur ..	10 12 6
A/220/9I	Schneider Xenar	f/4.5 Compur ..	12 10 0
A/220/8R	Lukos Anastigmat	f/3.5 Compur Rapid ..	13 10 0
A/220/8I	Zeiss Tessar	f/4.5 Compur ..	13 12 6
A/220/84R	Zeiss Tessar	f/2.8 Compur Rapid ..	18 10 0
FILMS—	Ensign Ortho E-20	...	1/-
	Ensign Ultrachrome EC-20	...	1/2
	Ensign Fine Grain Pan EFP-20	...	1/6

For cases, filters and accessories, see pages 46-52.

ENSIGN AUTORANGE - 20



FOR 8 PICTURES $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6×9 cm.)
or 16 PICTURES $2\frac{1}{4} \times 1\frac{5}{8}$ in. (6×4.5 cm.)
on size E-20 film.

ENSIGN AUTORANGE - 20

The Ensign Autorange-20 is the only camera fitted with range finder, giving full size $2\frac{1}{4} \times 3\frac{1}{4}$ in. pictures, which is also fitted with rising and cross front movement so essential for architectural and street scenes. The camera is also fitted with a very conveniently placed focussing knob which, being adjacent to the shutter release, enables extremely rapid focussing and shutter release. The mask for the smaller size picture is housed separately and a hinged mask operates inside the direct vision view finder for the smaller size. The range finder is coupled to the focussing mechanism and is exceedingly accurate and clear in use.

SPECIFICATION

BODY	All metal, hinged back with film pressure device.
COVERING	Finest Persian leather.
BELLOWS	First quality leather.
VIEW FINDERS	Reflex fitted to front. Direct vision housed in range finder casing.
RANGE FINDER	Fitted with adjustable eye-piece for individual eyesight, mechanically coupled to the focussing front.
COUPLED SHUTTER RELEASE AND FOCUSING	Focussing is by radial lever, to which the shutter release may be flexibly coupled, enabling the shutter to be released without removing finger from focussing knob.
TRIPOD BUSHES	Two, for upright and landscape pictures.
FINISH	Eggshell enamel and chromium.
FRONT	Solid U-shaped casting fitted with lever rising movement and quick thread cross movement.
LENSES	Ensign Ensar f/4.5, Ross Xpres f/4.5 and Zeiss Tessar f/4.5 and f/3.8.
SHUTTERS	Prontor, Prontor II, Compur and Compur Rapid, all with delayed action.
SIZE	$7 \times 3\frac{7}{8} \times 1\frac{1}{2}$ in. ($17.75 \times 9.8 \times 3.75$ cm.).
WEIGHT	2 lb. 2 oz. (964 gms.).
PICTURE SIZE	8 pictures $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6×9 cm.) or 16 pictures $2\frac{1}{4} \times 1\frac{3}{8}$ in. (6×4.5 cm.) on size E-20 film.

PRICES

AR/3P	Ensar Anastigmat f/4.5	Prontor shutter	...	£8 15 0
AR/4P	Ensar	„ f/4.5 Prontor II	„	9 15 0
AR/5	Ensar	„ f/4.5 Compur*	„	11 0 0
AR/8I	Zeiss Tessar	„ f/4.5 Compur*	„	14 2 6
AR/5I	Ross Xpres	„ f/4.5 Compur*	„	16 5 0
AR/82/R	Zeiss Tessar	„ f/3.8 Compur Rapid,	„	19 5 0

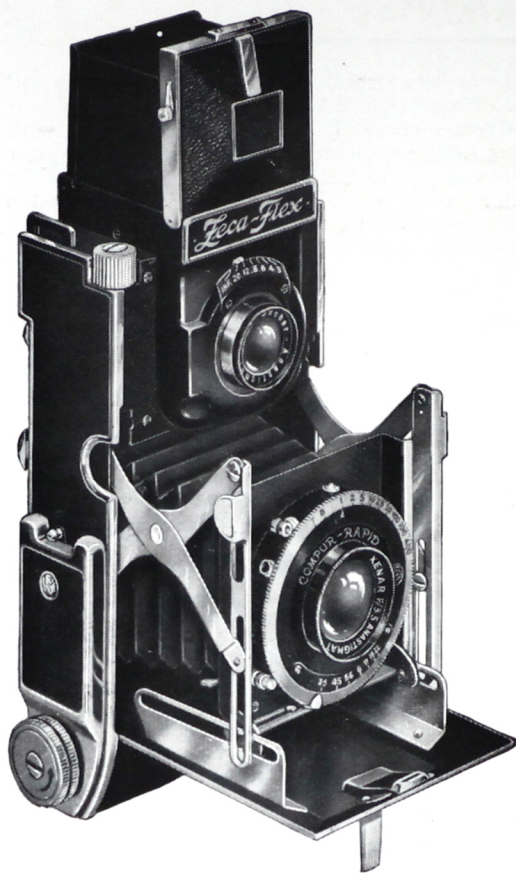
* Can be supplied with Compur Rapid shutter at 22/6 extra.

FILMS—	Ensign Ortho E-20	...	...	...	...	1/-
	Ensign Ultrachrome EC-20	...	...	...	...	1/2
	Ensign Fine Grain Pan EFP-20	...	...	...	...	1/6

For cases, filters and accessories, see pages 46-52.

ZECA - FLEX

FOLDING TWIN - LENS REFLEX



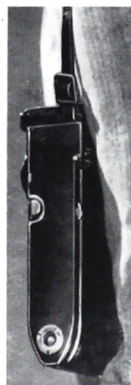
FOR 12 PICTURES
 $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6×6 cm.)
on size E - 20 film.

The astonishing thing about the ZECCA - FLEX camera is, that though it is no larger than an ordinary high-class folding camera, it has all the advantages of a Reflex and is yet built in such a sturdy and substantial manner, that it is as serviceable and effective as the more bulky box form type.

The ZECCA-FLEX camera takes twelve $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6×6 cm.) pictures on the size E-20 film.

The ground glass view finder gives exceptionally easy and accurate focussing, and focussing can also be carried out when the camera is closed.

Its shape is such that it can be easily slung across the shoulder, or carried in a side pocket without inconvenience. It is exceedingly rapid in operation and can be opened for use in an instant—in fact, a camera that is a joy to carry and use.



ZECA-FLEX

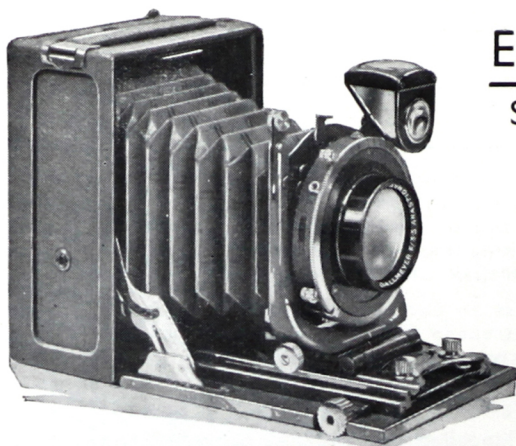
SPECIFICATION

VIEW FINDER	With ground glass screen built as an integral part of the body. Accurately adjusted to give pin-point definition in conjunction with the taking lens, and masked to give some degree of parallax compensation.
VIEWING LENS	Has an exceptionally large aperture, giving an extremely brilliant image on the screen. The large aperture makes focussing exceedingly accurate and ensures pin-point definition in the negative.
FINDER MAGNIFIER	A hinged magnifier can be brought into operation if required and is an additional resource for obtaining the finest possible definition.
MICROMETER FOCUSING	Focussing is carried out by a conveniently placed knurled knob operating with extreme precision.
FOCUSING SCALE	A distance scale is provided on the viewing lens which is visible also when the camera is closed.
THE FRONT	The front is secured at eight points on an exceedingly substantial and sturdy mechanism, ensuring absolute rigidity for the lens and shutter. When closed, the lens and shutter are covered by a metal shield, which folds down automatically when the camera is opened for use.
PRESSURE PLATE	The film is held in the focal plane by a special metal pressure plate.
FILM COUNTER	Mechanical film counter, which, after the film has been wound into position for the first exposure, comes into operation for all subsequent exposures, no reference to numbers on the film itself being necessary.
SHUTTER	Compur-Rapid, speeds 1 sec., $\frac{1}{2}$, 1/5, 1/10, 1/25, 1/50, 1/100, 1/200 and 1/400, Time and Bulb, and also with delayed action (Radionar f/3.5 Standard Compur).
SIZE	$3\frac{3}{4} \times 2\frac{1}{2} \times 7$ in. ($9.5 \times 6.25 \times 17.75$ cm.).
WEIGHT	40 oz. (1134 gms.).

PRICES

Z/92. Schneider Radionar f/3.5 ...	Compur Shutter ...	£14 14 0
Z/93. Schneider Xenar f/3.5 ...	Compur Rapid ,, ...	18 18 0
Z/83. Zeiss Tessar ... f/3.5 ...	Compur Rapid ,, ...	22 10 0
FILMS—Ensign Ortho E-20	...	1/-
Ensign Ultrachrome EC-20	...	1/2
Ensign Fine Grain Pan EFP-20	...	1/6

For cases, filters and accessories, see pages 46–52.



ENSIGN CAMEO

SUPER SPEED MODEL

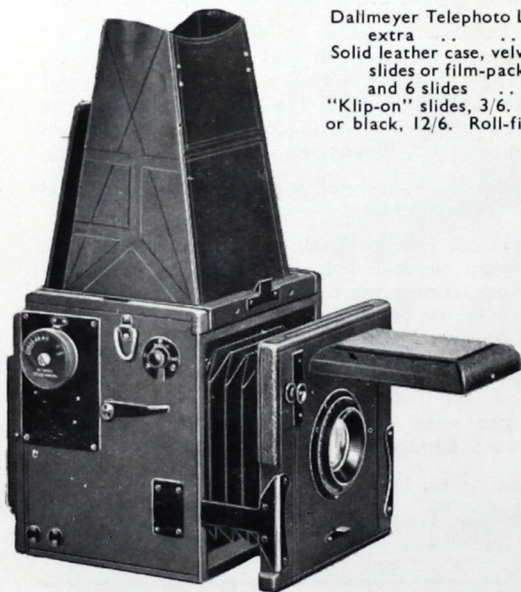
FOR FILM-PACKS or
PLATES $2\frac{1}{2} \times 3\frac{1}{2}$ in.
(6.5×9 cm.).

Here is a camera designed for film-packs or plates, beautifully made and sturdily built, ideal for the specialist who wishes to change his sensitized material for each individual type of subject: Colour, panchromatic, ordinary, infra-red, etc.—close-up or telephoto.

FINISH Model A .. Florentine Bronze and ripple enamel, brown bellows.
Model B .. Chromium plate and black ripple enamel, black bellows.

PRICES including 2 clip-on slides

D/22.	Ensar Anastigmat	f/4.5	Compur Shutter	...	...	£12 10 0
D/62.	Dallmeyer	f/3.5	"	...	...	14 15 0
			Dallmeyer Telephoto Lens	f/6.5 (interchangeable)		
			extra			8 5 0
			Solid leather case, velvet lined, for camera and 12 slides or film-pack adapter or roll-film holder and 6 slides			1 5 0
			"Klip-on" slides, 3/6. Film-pack adapter, bronze or black, 12/6. Roll-film holder, black only, 17/6			



ENSIGN REFLEX

Leather-covered model made in 9×12 cm. only.

Wax finished teak model for universal use, made in $\frac{1}{4}$ -plate only.

For many subjects the Reflex camera still reigns supreme. For pictorial work it is unsurpassed, enabling the user to move freely about watching the change on the focussing screen. It also has no rival for children and animal photography. The Ensign Special Reflex with its simple self-setting shutter, its excellent workmanship inside and out and, above all, its lightness has no equal.

PRICES

				$\frac{1}{4}$ -plate		9×12 cm.
SR/14 Aldis-Butcher	f/4.5	...	6 in.	£12 15 0		£13 5 0
SR/51 Ross Xpres	f/4.5	...	6 "	17 0 0		17 10 0
SR/81 Zeiss Tessar	f/4.5	...	6 "	19 0 0		19 10 0
SR/65 Dallmeyer Pentac	f/2.9	...	6 "	23 10 0		24 0 0
Camera with three plate holders only (no lens)		..	..	9 10 0		10 0 0
Single metal plate holders	..	..	..	2 6		2 6
Film-pack adapter	..	..	..	12 6		—
Roll holder (takes size E-20 roll film)	..	..	..	17 6		—
Leather case, velvet-lined	..	..	..	2 0 0		2 0 0



Ensign CAMERA ACCESSORIES

*T*he possession of a camera is only the first step towards enjoying the pleasures of Photography. There is a great deal more to the hobby than just pressing the trigger and hoping for the best. You can make **certain** of good pictures by using an exposure meter to ascertain correct exposure and "stop." The quality of your pictures can be improved immensely by the use of a colour filter or a sky filter, which give a more correct rendering of colours and clouds.

A tripod is invaluable for "time" exposures, for it gives a firm support to the camera. There is a variety to choose from. Lens hoods enable you to get most attractive "against the light" pictures. The "Auto-timer" is a very ingenious device which delays the opening of the shutter so that you can include yourself in your photographs, when desired.

The range of Ensign camera accessories is most varied and most complete, as an examination of the following pages will readily demonstrate. Truly, Photography the Ensign way is full of pleasure and satisfaction.

ENSIGN COLOUR FILTERS

Ensign Filters are made to fit all lenses and there is one for every type of work.

Colour	Purpose	For use with :	Exposure multiplied :
YELLOW	For landscapes or seascapes. Gives good correction for blues and greens and enhances cloud effects. Also useful for well-lighted interiors or semi-interiors ..	Ortho	2X
GREEN— Light, Medium and Dark	Give reasonably good correction of all colours. For landscapes with thickly wooded slopes and woodland scenes and for cloud effects. Increased exposure depends on the density of the grade selected	Light—Ortho or Pan Medium—Pan Dark—Pan	2X 3X 4X
SKY	A graduated filter for cloud effects in landscape subjects without increased exposure	Ortho or Pan	Nil
ULTRA VIOLET	For mountains and snow. Not recommended for any other type of subject	Ortho or Pan	Nil
RED	For dramatic contrasts ; architectural work ; distant landscapes	Pan or Infra-red	4X
BLUE	Adds contrast to pictures taken in artificial light ..	Pan	2X
ORANGE	For a wide range of work ; gives maximum correction and pleasing contrast. Emphasizes clouds and gives good rendering of multi-coloured subjects, such as gardens. Recommended for portraiture out of doors.	Pan	3X

GLASSES ONLY



Size	Green	Optigrad	U.V.	Others
$\frac{3}{4}$ in. (19 mm.)	3/3	5/-	4/-	3/6
1 in. (25 mm.)	3/6	5/6	4/3	3/9
$1\frac{1}{4}$ in. (31 mm.)	3/9	7/6	4/6	4/-
$1\frac{1}{2}$ in. (39 mm.)	5/-	10/-	6/-	5/6
2 in. (51 mm.)	7/6	15/-	—	—

INTERCHANGEABLE SPRING MOUNT

Size	To fit Lenses up to	Takes Filter	Price Mount only	Size	To fit Lenses up to	Takes Filter	Price Mount only
No. 1	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	4/-	No. 4	$1\frac{1}{2}$ in.	$1\frac{1}{2}$ in.	5/6
No. 2	1 in.	1 in.	4/6	No. 5	2 in.	2 in.	7/6
No. 3	$1\frac{1}{4}$ in.	$1\frac{1}{4}$ in.	5/-				

"QUICK-CHANGE" MOUNT

for Ensign Selfix and Autorange Cameras

Filter is inserted into slot at top of holder and held in place by spring grip. For $1\frac{1}{4}$ in. diameter filters. For Selfix-20, -320 and -420 with Ensar lenses. No. 20 3/6
For Selfix-220, Autorange-220 and -20 with Ensar lenses. No. 220 3/6
(No. 3 Interchangeable Mount required for Selfix-420 model S/420/81 ; Selfix-220 models S/220/8, S/220/91, S/220/81 ; Autorange-220 models A/220/91, A/220/8R, A/220/81 ; Autorange-20 models AR/81, AR/51. No. 4 Interchangeable Mount required for Autorange-220 A/220/84R and Autorange-20 AR/82/R).

COMPLETE SETS

Set of 3 Filters with Interchangeable Mount in solid leather case.
To fit lens up to—
3 Green (2X, 3X, 4X) No. 8 16/9 No. 9 18/3 No. 10 19/9 No. 11 25/- No. 12 35/6
Green 2X, Yellow 2X, Orange 3X No. 13 17/3 No. 14 18/9 No. 15 20/3 No. 16 26/-

Set of 3 Filters with "Quick-Change" Mount, in solid leather case.
No. 20 Mount
3 Green (2X, 3X, 4X) No. 10/20 .. 18/3 No. 10/220 .. 18/3
Green 2X, Yellow 2X, Orange 3X No. 15/20 .. 18/9 No. 15/220 .. 18/9

Leather Cases. Solid bound best hide, velvet-lined.

To take filter in mount. No. 1 2/6 No. 2 2/6 No. 3 2/6 No. 4 3/- No. 5 4/-
To take 3 filters and mount. No. 8 3/- No. 9 3/3 No. 10 3/6 No. 11 4/6 No. 12 5/6

ENSIGN DIFFUSION GLASSES

Can be used in standard Filter Mounts and placed in front of lens. Enable a pleasant "soft-focus" effect to be obtained, yet picture does not become "fuzzy."

Glass Mount	Glass Mount
For Mount No. 1 5/- 4/-	For Mount No. 20 7/- 3/6
" " " 2 6/- 4/6	" " " 220 7/- 3/6
" " " 3 7/- 5/-	
Leather case, velvet-lined, to take lens in mount	2/6

ENSIGN Super Quality CAMERA CASES



LEATHER

No Ensign leather case is made from dyed, buffed, or doped material of any kind. Guaranteed to be made of the finest British materials only. Solid hide, full grained, and hand curried, i.e., old-fashioned bridle leather.

TAN MAIL AND SILK MOHAIR

All have double-turned binding, so that no raw edge whatever appears. Only best quality British materials are used and each is provided with long leather sling strap.

For Cameras	Tan Mail, Bound edges		Silk Mohair, leather bound		Leather Black or Brown		Leather velvet-lined Brown only	
Ensign Midget ...	—	—	—	—	—	4/6	—	—
„ Double-8 ...	—	—	—	—	—	4/6	—	—
All-Distance Twenty ...	110	2/6	510	2/6	40	7/6	—	—
Box Ensign 2 1/2 B ...	101	2/6	—	—	—	—	—	—
„ „ 2 1/2 ...	102	3/6	—	—	—	—	—	—
Ensign Ful-Vue (Web sling) ...	117	2/-	—	—	—	—	—	—
„ E-20 ...	110	2/6	510	2/6	40	7/6	—	—
Pocket Twenty ...	—	—	503	2/6	—	—	—	—
Ensign Selfix-20 ...	114	2/6	503A	2/6	29	5/6	33	7/6
„ Selfix-220 ...	115	2/6	—	—	28	5/6	32	7/6
„ Selfix-320 ...	116	2/6	—	—	30	5/6	36	7/6
„ Selfix-420 ...	—	—	—	—	—	—	43	10/6
„ Carbine No. 7 ...	103B	2/6	—	—	30C	7/6	34	10/6
„ Nos. 10, 12, 14 ...	104	3/6	—	—	31	8/6	35	12/6
Brownie No. 2 ...	111	2/6	511	2/6	—	—	—	—
„ 2A ...	113	3/6	—	—	—	—	—	—
Ensign No. 3 ...	108	4/-	—	—	6	10/-	10	13/-
„ No. 3A ...	109	4/6	—	—	7	11/6	11	15/-
Speed Film Reflex ...	—	—	—	—	—	—	13	18/6
Ensign Autorange-20 ...	—	—	—	—	—	—	15	12/6
„ (Focal Plane) ...	—	—	—	—	—	—	14a	15/6
Ensign Autorange-220 ...	—	—	—	—	—	—	17	12/6
Zeca-Flex ...	—	—	—	—	—	—	16	17/6

EVER-READY CASES (As illustrated on page 38)

Fine quality leather, velvet-lined. Enables the camera to be used without removing it from the case.

No. 19	Ensign Selfix-220	...	...	21/-
No. 19a	„ Autorange-220	...	...	21/-
No. 18	„ Multex	...	...	21/-
No. 16a	„ Zeca-Flex	...	...	25/-
No. 41	„ Ful-Vue (leather cloth, unlined)	...	...	3/-

“NON-SLIP” SHOULDER PAD

For all Camera Cases

This ingenious device prevents the straps of camera cases from slipping when in position on shoulder. Thick rubber with corrugated non-slip face and slits for inserting strap ... 9d.

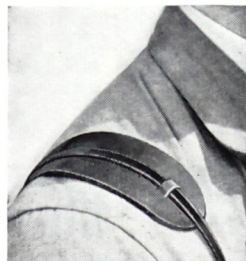


PHOTO-ELECTRIC EXPOSURE METERS

EXCELSIOR

Gives readings of "stop for speed" or "speed for stop" at a glance. Only one adjustment is required. Accurate and reliable. The photo-electric cell is extremely sensitive, giving readings from 120 seconds down to 1/2,000 of a second. An auxiliary scale is fitted to cope with bad lighting conditions. Suitable for still or cine work, being graduated for both shutter speeds and cine frame speeds. Very compact, and enclosed in neat leather case, fitting comfortably in the pocket.

In leather case ... £3 3 0



PHOTOSCOP

Scientifically designed for absolutely correct measurement of the light **actually on the subject**. Ingenious positioning of an inclined photo-cell (patent 348662) combined with a mirror, limits the angle of measurement to about 45°—20° above the meter axis and 25° below. Top-light influence is eliminated. Gives direct "stop" readings. Clear, easily-read markings. The time scale covers from 30 secs. to 1/1,000 sec. Cine speeds 8 to 96 frames per second. A first-class precision instrument, beautifully made, and fitting easily in the pocket—size $2\frac{7}{8} \times 3 \times 1\frac{3}{16}$ in.

Complete in leather ever-ready case
£3 10 0



ELECTRO BEWI

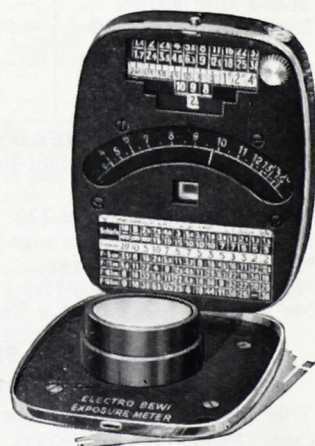
Can be carried in the waistcoat pocket without difficulty, and is enclosed in a strong metal case, the lid of which springs open by pressure of a knob. Measures weak interior light not strong enough to give an electric recording by means of a built-in optical meter. Shows at a glance diaphragms from f/1.4 to f/36, and from 1/3,000 sec. to 1 hour. Everything is on the dial of the meter—no calculations have to be made. Suitable for all negative emulsions. Fitted with depth of focus scale. A "super" model is now available with extra-sensitive, everlasting photo-cell and combined optical meter for still or cine work.

Standard-Bewi ... £4 10 0
Super-Bewi ... 5 5 0

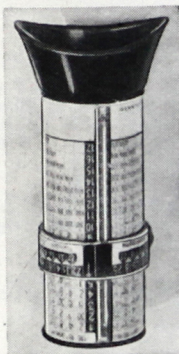
With Leica readings.

Leica-Bewi ... 4 10 0
Leica-Super-Bewi ... 5 5 0

Leather wallet with "zip" fastener 5/-



METERS and CAMERA ACCESSORIES



BEWI VISUAL METERS

Junior. Gives correct exposure without calculations £1 1 0

Senior. A comprehensive meter giving correct reading under all conditions, for all emulsions and all climates. Also movement speed chart and other useful data 1 16 0

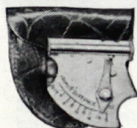
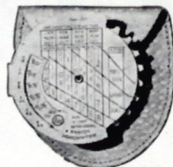
Leica. For use with Leica cameras 2 2 0

Leather Case for each 2/6

ENSIGN POSOMETER

A neat little exposure reckoner. Can be carried in the waist-coat pocket. For every subject, and every plate or film. In leather case with snap fastener.

1/9



PRIMUS DISTANCE GAUGE

For calculating distances between camera and objects. Made in aluminium with silvered pendulum. Complete in leather case.

No. 2. Scaled in metres 2/3

HOLBORN_ROLL-FILM HOLDER

Winds films in the normal direction. For use with single metal slide, Plate and Reflex Cameras. Takes the size E-20 8-exposure $3\frac{1}{4} \times 2\frac{1}{4}$ in. roll film. All-metal.

No. 1. For $3\frac{1}{2} \times 2\frac{1}{2}$ in. cameras 17/6

No. 2. For $\frac{1}{4}$ -plate cameras ($3\frac{1}{4} \times 2\frac{1}{4}$ in. film) 17/6

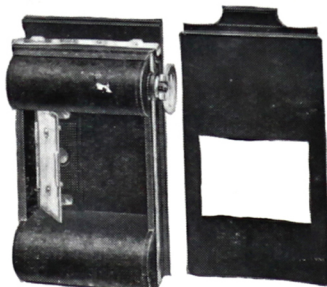
"TWO-ON" Model for whole or half-size pictures. Enables two exposures to be made on each film, if desired, by means of sliding mask and double sight-hole; as well as standard full size.

No. 7. For $3\frac{1}{2} \times 2\frac{1}{2}$ in. cameras 25/6

No. 7a. For $\frac{1}{4}$ -pl. cameras ($2\frac{1}{4} \times 3\frac{1}{4}$ in. film) 25/6

Specify camera when ordering.

"Two-on" View-Finder. A handy collapsible attachment for full and half-size pictures. Fits any camera 3/-



No. 7

TRIPODS AND ACCESSORIES

METAL TELESCOPIC

Black enamelled, automatic closing, with nickel top.

No.	Sections	Height	Closed	Weight				
1	3	44 in.	17 in.	16 oz.	..	..	..	7/6
4	4	49 in.	16 in.	21 oz.	..	..	..	10/6
5	5	49 in.	14 in.	26 oz.	..	..	..	12/6
6	7	49 in.	12 in.	23 oz.	..	..	..	17/6

STABILO

Fitted with a Ball and Socket Revolving Head, enabling the camera to be easily fixed in any position, adjusted by a slight turn of the locking screw. 4 sections.

Length closed, including ball and socket, 17½ in.; extended, 49 in. Weight, 23 oz.

No. 180 13/6

"HIP POCKET-FLAT"

Can easily be carried in the hip pocket. Black enamelled automatic closing. Polished tubes. Closed, 8½ in. Open, 46 in. Weight, 21 oz. 7 sections.

No. 22. With leather case 29/6

"FEATHERWEIGHT"

FLAT. In metal case. Extended, 42 in. Closed, 11 in. Weight, 17 oz. 7 sections.

No. 20 22/6

HOLBORN UNIPOD

A single tripod leg—having 8 sections extending to 57 in.—closing to 9 in. A rigid support from which time exposures can easily be made. Well-finished, easy-working sections, automatically locking.

No. 1. Smooth finish (Junior Model) 8/6

No. 2. Ribbed cellular finish .. 12/6

UNIPOD STIRRUP

This all-leather stirrup is designed for use with the Holborn Unipod, or with tripods having similarly short sections. In conjunction with the neck-strap to which it is attached, it enables short time exposures to be given while the user is seated—in a theatre, for instance—and in all situations where the use of the Unipod or a tripod is not possible in the ordinary way.

2/6

PEDICOS BODY TRIPOD

A miniature tripod which can be easily carried in the pocket. Braced against the chest, the camera can be held so firmly that exposures up to 1 sec., and even longer, can be made. Ideal for miniature cameras. Has two extensions, and neck-strap adjustable to any height. The top is quickly detachable and may remain on the camera. In leather case. 17/6

CAMERA "STEADIER"

A 4 ft. length of "Non-Kink" chain fitted with screw is fixed to the camera bush, the chain is allowed to train on the ground, the foot being placed on the spare chain and the camera steadied during exposure.

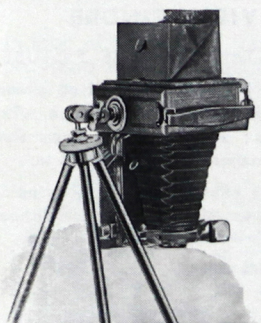
In leather case 2/6

TRIPOD BRACING ATTACHMENT

Clips on to the legs of any tripod. Is controlled by centre fly-nut. When fixed, tripods are perfectly rigid 3/9



ENSIGN CAMERA ACCESSORIES



UNIVERSAL BALL AND SOCKET HEAD

Enables a camera to be set at any angle. Also for using the tripod to support the camera in a vertical position for such work as photographing pages direct from books, small objects, coins, maps, and any object which comes within its range.

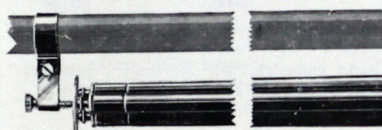
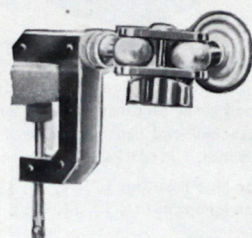
For use with any camera 4/6

Miniature pattern. For use with miniature cameras. Includes fitting to hold camera 3/-

THE "MULTIPOD"

A pocket tripod. The clamp fitting enables the "Multi-pod" to be fitted almost anywhere, always allowing the camera to be set absolutely level.

Nickel-plated 9/6



CYCLIST TRIPOD CLIPS

Enables tripod to be carried on a bicycle as unobtrusively as an ordinary pump.

Per set 3/6

WIRE SHUTTER RELEASES

Can be fitted to most types of metal shutters. Made of metal with strong fabric covering and a flexible core of close wound steel wire. The plunger projecting beyond the outer casing operates the shutter by pressure.

In 3, 6, and 10 in. lengths each 1/3

Special Types

For Ensign Midget, 3/6

For Ensign Double-8, 3/6

For Ensign Multex, 3/6

"AUTOTIMER" SHUTTER RELEASE

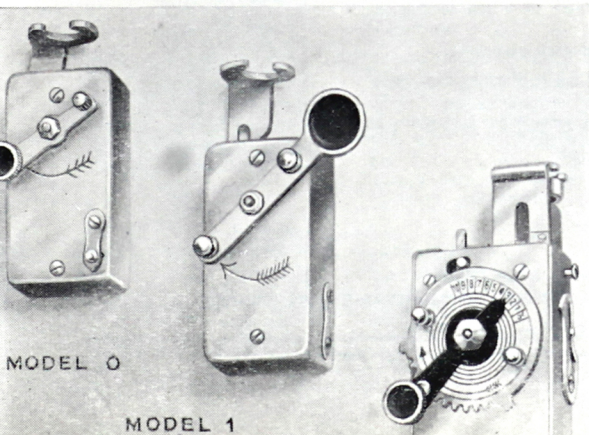
Enables you to include yourself in your picture. Screws into the tripod bush (except No. 0) and operates the shutter release 15 seconds after it is set in motion. Reliable in action, and simple to use. Handsome nickel-plated finish. Packed in leather case (except No. 0).

Model 0. A simple model for instantaneous exposures. Delays opening of shutter 6 seconds 7/6

Model 1. For instantaneous exposures. Delays the opening of the shutter for 15 seconds at whatever speed it is set 10/6

Model 2. For time or instantaneous exposures. Makes instantaneous exposures at shutter speeds, and time exposures of $\frac{1}{2}$ to 10 seconds, 15 seconds after it is set in action 16/-

Model 3. Special Model for Leica cameras. For instantaneous exposures. Delays the opening of the shutter for 15 seconds at whatever speed it is set 19/6



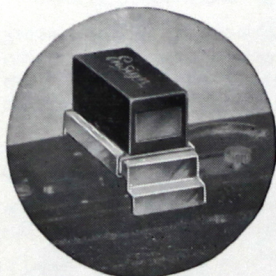
MODEL 0

MODEL 1

MODEL 2

ENSIGN CAMERA ACCESSORIES

"CLIP-ON" DIRECT VISION OPTICAL VIEW FINDER



FOR "TWO-ON" AS WELL AS STANDARD SIZE PICTURES

By means of the spring clip can be instantly attached to almost any folding camera, and will remain securely in position. The cover is provided with two mask sizes; at one end, the larger size, for $2\frac{1}{2} \times 3\frac{1}{2}$ in.; at the other, the smaller size, for $2\frac{1}{2} \times 1\frac{1}{8}$ in.

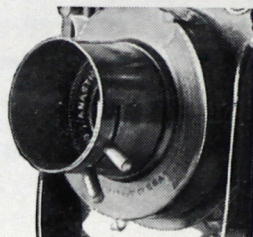
The change from one to the other is effected simply by gripping the cover at both ends, lifting off, and reversing. The finder without mask is suitable for pictures $2\frac{1}{2} \times 2\frac{1}{2}$ in.

Chromium finder; black enamel cover .. 6/6

"SHADIT" SPRING LENS HOOD

This all-metal lens hood grips the front cell firmly and enables good clear pictures to be taken even against the light. It is instantly attached and removed, and if desired will take standard light filter mounts. Made in 11 sizes.

For lens mounts, $\frac{3}{8}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{1}{2}$, $1\frac{3}{8}$, $1\frac{1}{2}$ in. dia. .. 2/-
For lens mounts, $1\frac{3}{8}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2 in. dia. .. 2/6



SUPPLEMENTARY LENSES

Considerably increase the scope of work possible with hand cameras. For Portrait "close-ups," Wide Angle, Copying and Telephoto Photography. To fit lenses up to $1\frac{1}{4}$ in. outside diameter.

With Holder, each 8/6 Without Holder, each 3/6 Set of four lenses with Holder 19/-

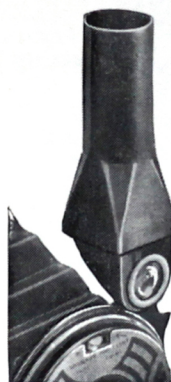
LENS CLEANERS

Special polishing material, prevents condensation. Box of 2 .. 9d.
Special tissue, per pad of 10 sheets .. 2d.
Outfit containing special cleaning solution, brush and polishing cloth .. 1/3

VIEW FINDER SHADES

Fit on to the object lens of the view finder and exclude all extraneous light.

No. 0. For Ensign Selfix .. 9d.
No. 1. Fits view finders, $\frac{3}{8} \times \frac{3}{8}$ in. .. 9d.
No. 2. Fits view finders, $\frac{1}{2} \times \frac{1}{2}$ in. .. 9d.



SINGLE METAL PLATE HOLDERS

Type		$3\frac{1}{2} \times 2\frac{1}{2}$	$\frac{1}{2}$ -plate	Post card
1. Ensign Cameo	each	2/6	2/6	3/6
1A. Ensign Cameo with title plate	"	3/-	3/-	4/-
1B. Ensign Cameo with title plate, Florentine bronze	"	3/6	3/6	—
2. Ensign Klito	"	—	2/-	3/-
2A. Ensign Klito with title plate	"	—	2/6	3/6
5. Solid wooden double plate-holder, with metal draw-out	"	—	21/-	—

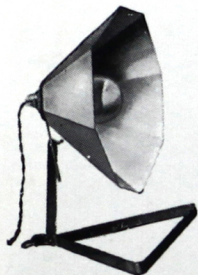
FILM-PACK ADAPTERS

Type				
1. Ensign Cameo, Crystalline enamel finish	..	8/6	8/6	—
1A. Ensign Cameo, leather covered	..	12/6	12/6	—
1B. Ensign Cameo, Florentine bronze	..	15/-	15/-	—
2. Ensign Klito, Crystalline enamel finish	..	8/6	8/6	10/6
2A. Ensign Klito, leather covered	..	—	12/6	—
5. For cameras with double plate holders	..	—	25/-	—

Indicate type of camera when ordering plate holders or film-pack adapters.

ENSIGN LIGHTING EQUIPMENT

Indoor photography has one very important requirement—good lighting. It is provided by these Ensign outfits. And the limitations imposed by working in a confined space are overcome by their complete adaptability. No matter what the subject may be there is an Ensign light to deal with it—from any angle.



No. 1

Model 2 Outfit. Includes strong aluminium reflector, fitted with bakelite switch, lampholder, 6 ft. of flex and plug, and universal head stand. Complete in box (without lamp) .. 10/6

Model 3 Outfit. Incorporates the No. 2 reflector, with lampholder and flex, but is mounted on telescopic tripod. Height when fully extended 4 ft. 4 in. Complete in box (without lamp) 15/-

ENSIGN MULTIFLOOD OUTFITS

These outfits ensure that maximum lighting value is obtained from the wonderful Photoflood and Magnaflood lamps produced by the G.E.C., for which they are designed. The reflector is mounted on a universal joint, so that the light can be projected in any direction—upwards, downwards or sideways. The stand may be stood anywhere, or can be suspended from any convenient point on the wall or elsewhere.

Model 1 Outfit. Includes collapsible cardboard reflector, fitted with bakelite lampholder, 6 ft. of flex and plug, and universal head stand. Complete in box (without lamp) 6/-

Spare Reflectors 1/9 each.



No. 2

ENSIGN UNIVERSAL MULTIFLOOD

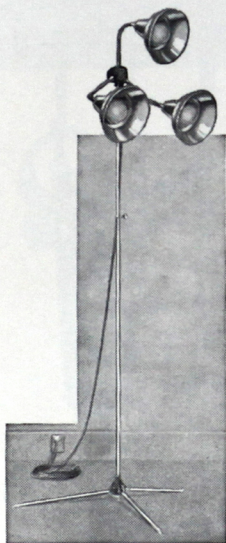
A very fine outfit which incorporates a valuable economy feature. It is fitted with a specially designed dimming switch which conserves the "lives" of the lamps by allowing them to be dimmed during the preparations for exposure, and only switched full-on during the actual moment of exposure.

The outfit consists of three polished aluminium reflectors mounted on flexible metal arms, so that the light from each lamp can be directed in any angle, quite independent of the others, if desired. Mounted on polished chromium two-section telescopic stand, raising lamps to a height of 6 ft. Folding legs of unique design facilitating speedy, trouble-free erection.

Complete with 18 feet of flex and B.C. and 2-pin plug adapters
Without lamps £4 12 6

Fibre Carrying Case with accommodation for reflectors, lamps, leads, etc. 10/6

Leather-bound mail carrying case for stand 13/6



"Universal"

ENSIGN PHOTOSPOT OUTFITS

The concentrated beam of light projected by a Photospot enables very dramatic lighting effects to be obtained. Emphasis can be put where it is required. Contrasts can be made stronger. Striking and forceful pictures are secured.

No. 1 Outfit is provided with strong tripod stand. No. 2 has a sturdy base, for use on table or floor. Both are provided with spotting attachment.

No. 1. With tripod stand, without lamp	£2 17 6
No. 2. With pedestal base, without lamp	2 2 6

Fibre carrying case 15/6

Lamps for above Outfits—Photoflood .. 2/6	Magnaflood 4/6
---	----------------------

State voltage when ordering.

ENSIGN LIGHTING EQUIPMENT



PHOTO FLASH-BULB OUTFITS

Snapshots can be made indoors, such as have hitherto been quite impossible, in any room, any time, anywhere, and the subject need not even be aware of the photographer. Operated from an ordinary torch battery. Each bulb gives one flash. No smoke! No noise!

No. 0 Outfit with 2 flash-bulbs, Silverlite folding reflector, torch, battery, and test-bulb .. 5/6

No. 1 Outfit with 2 flash-bulbs, Multiray metal reflector, torch, battery, and test-bulb . . . 12/6

Flash-Bulbs

Sashalite. Clear glass bulbs of the shape of an ordinary electric house-lamp. These bulbs contain a small amount of thin aluminium foil in an atmosphere of low-pressure oxygen.

B.C., E.S. or M.E.S. fittings.
Baby 8d. Miniature 8d. Large 1/3

Philips Photoflux. A colour indicator at the end of the bulb shows blue when it is serviceable. If for some reason air has entered the bulb, the colour indicator changes to rose pink.

Miniature 10d. Small 10d. Large 1/4 Extra large 2/-

SYNCHROFLASH OUTFITS

FOR SYNCHRONIZED INDOOR SNAPSOTS BY FLASH-BULB OR FLASH-POWDER

A simple means of ensuring perfect flashlight pictures. Both the shutter of the camera and the flash-bulb are controlled by the camera-release. Easily fitted. For operation with flash-bulb or flash-powder. Outfits for various types of shutter from 18 6 each.

Always state shutter and camera when ordering.

FLEET FLASH-LAMP

Collapsible and simple in construction. Inside the handle is a strong spiral spring which is released by pressing a lever. The releasing of this spring explodes the cap and so fires the powder.

Complete in case with caps	..	..	..	21/-
Flash Caps, per box of 50	..	..	..	1/-

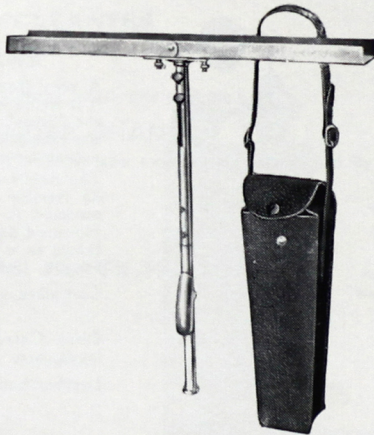
"GEKA" ELECTRO-FLASH-LAMP OUTFIT

The powder is contained in capsules which are screwed into the holder carrying a small battery. The open end of the capsule is closed with Cellophane, the fuse being buried in the powder, and is fired by a switch on the handle.

Complete Outfit, including Holder, Tray, Battery, 2 Standard size Capsules, and Test Bulb ..	10/6
Standard size Capsules in box of 3	2/6
Large size Capsules in box of 3	4/6

AMATEUR FLASH-LAMP

Flash powder is fired by a cap. Strongly made	
of metal	5/-
Flash Caps, box of 50	1/-



EASI-FLASH PHOTO KIT

A complete flashlight outfit containing metal flash-pan, powder measure, 3 tapers and flash-powder.	
In neat storage box with instructions	29

“GEKA” FUMOSIN SMOKELESS FLASH POWDER

Smokeless and noiseless. Keeping qualities guaranteed. 10 grm. 1/6 25 grm. 2/6 50 grm. 4/3

JOHNSON'S FLASH POWDER

Small	..	..	1/-	Large	..	..	1/9	1 oz. tins	..	..	2/6
-------	----	----	-----	-------	----	----	-----	------------	----	----	-----

PHOTO FLASH-STICKS

Can be held in the hand.	Per box of 6	..	..	..	..	..	..	..	1/3
--------------------------	--------------	----	----	----	----	----	----	----	-----

MAGNESIUM RIBBON in $\frac{1}{8}$, $\frac{1}{4}$ and 1 oz. coils	per oz. 2/-
FLASHMETERS (Magnesium Ribbon)	Pistol 9d.



Ensign ENLARGERS

*I*t is very rare for the amateur photographer of to-day to use a camera taking a larger picture than $3\frac{1}{2} \times 2\frac{1}{2}$ in. For this reason the Enlarger has been taken right out of the "luxury" into the "necessity" section of photographic equipment. Not to possess an enlarger is very nearly as bad as not having a camera.

Apart from the desirability of obtaining good enlargements from one's pet "negs," the fascination of selecting the choicest portions and "pushing them up" is unequalled. It is not always possible to secure the best composition afforded by the subject at the time of taking, and in any event one can nearly always improve on the original effort with an enlarger and a suitable masking device.

The Ensign range of Enlargers is easily the best series on the market to-day—and they are BRITISH. Every negative size up to $\frac{1}{4}$ -plate is catered for. Automatic models are available for those who favour this modern "luxury" method of working and there are a variety of models which require the skill of eye and hand to secure the best result.

ENSIGN POPULAR ENLARGER

This Enlarger has been introduced especially for the amateur who, although not a beginner, has yet to reach the advanced stages of photography. It has been designed along the simplest lines, yet is rugged in construction and sturdy in operation. Although it is probably the cheapest Enlarger of its type on the British market, it has all the qualities of the famous Magnaprint series, but naturally it is not capable of producing the same magnifications as the more expensive apparatus in this range.

SPECIFICATION

LAMPHOUSE. The lamphouse is of all metal construction, finished in black ripple enamel.

SUPPORT. Cast iron finished ripple enamel, fixed to the baseboard by two chromium-plated wing nuts and bolts.

NEGATIVE CARRIER. The negative carrier is of book form, consisting of two specially prepared glass plates ground and polished on all edges and bound along one side by a fabric hinge. A paper mask suitable for a $2\frac{1}{4} \times 3\frac{1}{4}$ in. negative is included with the carrier. It is loaded into the Enlarger through a slot in the body open on three sides, enabling single or strip negatives to be quickly inserted and centred. The carrier is held in position and the negatives kept flat by two springs.

LENS. Ensar f/7.7 Enlarging Anastigmat in fine thread focussing mount.

EXTENSION. Extension is achieved by releasing a large black knob and raising or lowering body.

FOCUSsing. Focussing is carried out by a bellows focussing slide operated by a small plated knob working in a slot.

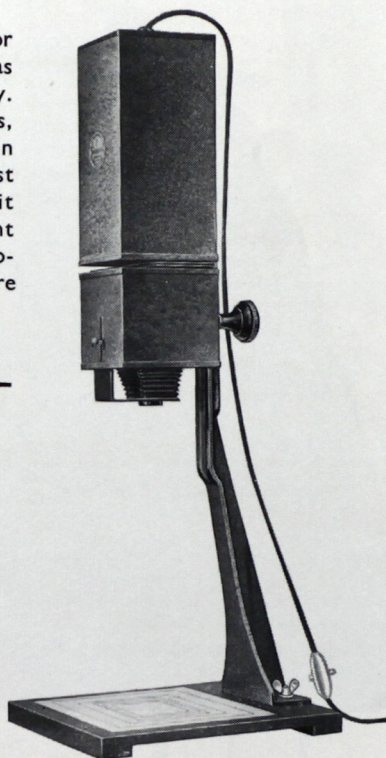
CONDENSER. The 4 in. condenser lens is held in position by four metal tags which may be loosened and rotated for removal for cleaning purposes.

BASEBOARD. The baseboard is constructed of laminated oregon pine plywood specially chosen for the easy acceptance of pins.

DEGREE OF ENLARGEMENT. The body extension, coupled with the bellows focussing slide, enables the standard $2\frac{1}{4} \times 3\frac{1}{4}$ in. negative to be enlarged to: from $\frac{1}{4}$ -pl. to approx. 10×8 in. or $3\frac{1}{2}$ magnifications.

ELECTRICAL FITTINGS. 6 ft. of circular flex, a white bakelite line switch, black bakelite lampholder and B.C. adapter.

ORANGE CAP. An orange lens cap may be had as an accessory and will facilitate placing of the bromide paper in position.



PRICE (without lamp)

With Ensar f/7.7 Enlarging Anastigmat	...	...	...	£4	15	0
Spare negative carrier	...	...	...	...	...	3/6
60-watt Silvalux lamp	...	...	...	...	...	1/10
Orange lens cap	...	...	...	...	...	2/6
Heavy duty book-form negative carrier, glasses enclosed in protective metal frame	...	...	...	...	...	10/6
Set of masks with openings for all sizes—Leica to $2\frac{1}{4} \times 3\frac{1}{4}$ in.	...	...	...	...	...	3/6

ENSIGN MAGNAPRINT V/O and AV/O

FOR ALL MINIATURE NEGATIVES

For all miniature negatives up to $1\frac{1}{4} \times 1\frac{5}{8}$ in. (3×4 cm.) and is ideal for the standard 24×36 mm. size. The baseboard takes paper up to 15×12 in. The whole Enlarger is thoroughly well made throughout and is guaranteed to give first-class results.

SPECIFICATION (Model V/O)

LAMPHOUSE. All metal, well ventilated, with internal heat-resisting liner. Removable top. Finished in black ripple enamel.

SUPPORTS. Nickel-plated rod support mounted in substantial casting. The lamphouse support securely clamped to the upright by convenient lever.

CARRIER. The carrier will take either single or strip negatives, which are secured between glasses.

LENS. Ensar Enlarging Anastigmat f/6.3 or Lukos f/4.5, both giving first-class definition.

FOCUSING. The lens is mounted in a helicoidal focussing mount easily adjustable for fine definition.

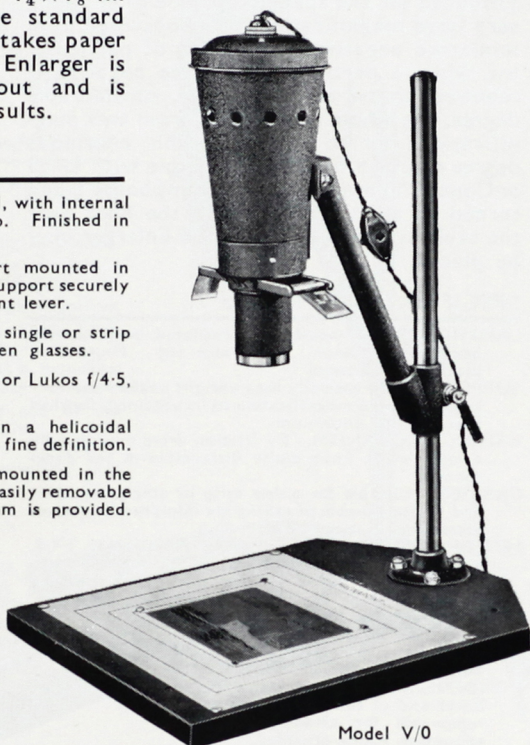
CONDENSERS. $2\frac{1}{2}$ in. condensers are mounted in the lower end of the lamphouse and are easily removable for cleaning. Ample expansion room is provided.

ORANGE CAP. Fits over the end of the helicoidal mount.

BASEBOARD. Strong wooden baseboard giving an area 15×12 in. Fitted with paper clamps.

DEGREE OF ENLARGEMENT. $1\frac{1}{4} \times 1\frac{5}{8}$ in. (3×4 cm.) negatives to $2\frac{1}{4} \times 3\frac{1}{4}$ in. and all sizes up to 15×12 in. Other negative sizes in proportion.

ELECTRICAL FITTINGS. Wired with best quality flex with through-type switch conveniently placed for operating.



Model V/O

PRICES (without lamp)

With the following lenses:—

V/O.	Ensar Enlarging Anastigmat f/6.3	...	...	...	...	£5 12 6
V/OM.	Lukos	„	„	f/4.5	...	7 10 0
	Special carrier for Leica or Contax strip negatives	..	..	..	..	10 6
V/OL.	For use with Leica lenses.	As above but without lens.				
	Including special carrier for 35 mm. film	...	...	...	...	6 6 0
V/OC.	As V/OL but for use with Contax lenses	...	...	...	...	7 5 0

AUTOMATIC FOCUSING MODEL AV/O, for Miniature Negatives

This automatic focussing model follows the general specification of the standard V/O model, having in addition an extremely effective and simple automatic focussing mechanism. For all miniature negatives.

AV/O.	With Dallmeyer Enlarging Anastigmat f/4.5	...	...	...	...	£9 10 0
	Special carrier for Leica or Contax strip negatives	..	..	..	..	10/6
	Lamp for all above models—Silvalux Opal, 100-watt	..	..	..	..	2/4

ENSIGN MAGNAPRINT V/9 and AV/9

SUPER SIZE MODEL FOR LARGE MAGNIFICATIONS. For all Miniature negatives.

Produced for the specific purpose of enabling very large magnifications to be obtained from miniature negatives, this being of particular use when a portion only of the negative is required to be enlarged to a considerable degree, the whole range being from two magnifications up to twenty. This enormous degree of magnification is possible with Leica or Contax 50 mm. lenses, the lamphouse being turned so as to project on to the floor over the table or bench on which the Enlarger may be placed.

SPECIFICATION (Model V/9)

LAMPHOUSE. All metal, well ventilated, with internal heat-resisting liner. Removable top. Finished in black ripple enamel.

SUPPORTS. The specially long upright enables the very large degree of magnification to be obtained, finished best quality chromium.

RAISING MECHANISM. By friction drive operated by a large white knob easily discernible in the dark-room.

CARRIER. Suitable for either strip or single negatives and is also capable of taking six miniature negatives assembled in two rows.

LENSES. V/9M, Lukos Enlarging Anastigmat f/4.5, giving first-class definition. V/9L, for use with standard Leica lenses. V/9C, for use with standard Contax lenses.

FOCUSING. The lenses are mounted on a helicoidal mount and in the case of the V/9L and V/9C actual movement on the lens can be used.

CONDENSERS. 2½ in., mounted in the lower end of the lamphouse, easily removable for cleaning. Ample expansion room provided.

ORANGE CAP. On separate pivot swivelling into position.

BASEBOARD. Strong wooden baseboard giving an area 15×12 in. Fitted with paper clamps.

DEGREE OF ENLARGEMENT. With Lukos 60 mm. lenses:—Whole negative 9 diameters on baseboard; Part negative 12 diameters on baseboard; With lamphouse turned for projection on to floor, 16 diameters. With Leica or Contax lenses:—Whole negative 10 diameters on baseboard; Part negative 14 diameters on baseboard; With lamphouse turned for projection on to floor, 20 diameters.

ELECTRICAL FITTINGS. Wired with best quality flex with through-type switch.

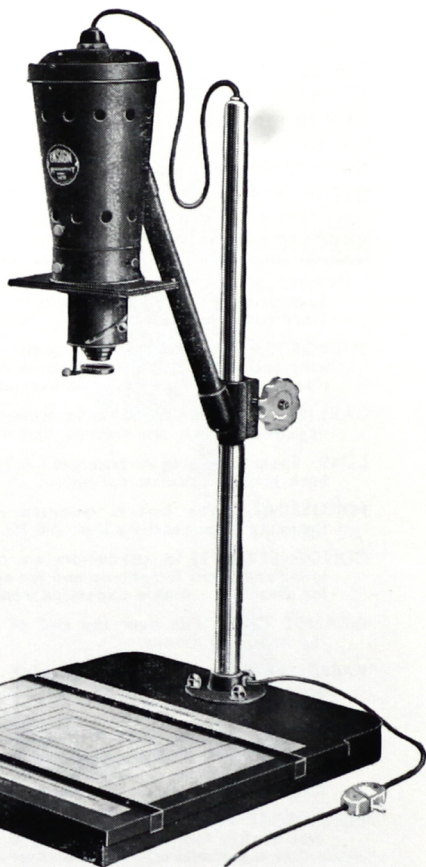
PRICES (without lamp)

V/9M. With Lukos Enlarging Anastigmat f/4.5	...	...	...	£12 10 0
V/9L. For use with Leica lenses. Without lens	...	...	...	10 0 0
V/9C. For use with Contax lenses. Without lens	...	...	...	10 10 0

AUTOMATIC FOCUSING MODEL AV/9, for Miniature Negatives

This automatic focussing model follows the general specification of the standard V/9 model, having in addition an extremely effective and simple automatic focussing mechanism. Enlarges whole negative 9 diameters on baseboard. Part negative 12 diameters on baseboard. For all miniature negatives.

AV/9. With Lukos f/4.5 Enlarging Anastigmat	...	...	...	£13 15 0
Lamp for all above models—Silvalux Opal, 100-watt	..	..	..	2/4



ENSIGN MAGNAPRINT V/10, V/11, V/2, AV/11

ENSIGN MAGNAPRINTS V/10 and V/11 are made respectively for $2\frac{1}{4} \times 2\frac{1}{4}$ in. (6×6 cm.) negatives and $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6×9 cm.) negatives and all smaller sizes. They are substantially built, embody the Magnaprint illuminating system and friction drive raising and lowering mechanism, and are exceedingly practical in every way.

SPECIFICATION (Models V/10 and V/11)

LAMPHOUSE. All metal, well ventilated, with internal heat-resisting liner. Removable top. Finished in black ripple enamel.

SUPPORTS. Solid rod, finished best quality chromium.

RAISING MECHANISM. By friction drive operated by a large white knob easily discernible in the darkroom.

CARRIER. Suitable for either strip or single negatives.

LENS. Ensar Enlarging Anastigmat f/6.3 or Lukos f/4.5, both giving first-class definition.

FOCUSING. The lens is mounted in a helicoidal focussing mount easily adjustable for fine definition.

CONDENSERS. Mounted in the lower end of the lamphouse, easily removable for cleaning. Ample expansion room provided. V/10, 4 in., V/11, $4\frac{1}{2}$ in.

ORANGE CAP. On separate pivot swivelling into position.

BASEBOARD. Strong wooden baseboard giving an area 15×12 in. Fitted with paper clamps.

DEGREE OF ENLARGEMENT. V/10, $2\frac{1}{4} \times 2\frac{1}{4}$ in. negatives to 12×12 in. Portions up to 15×12 in. on the baseboard. V/11, $2\frac{1}{4} \times 3\frac{1}{4}$ in. negatives up to 15×12 in. Other sizes in proportion.

ELECTRICAL FITTINGS. Wired with best quality flex with through-type switch conveniently placed for operating.



PRICES (without lamp)

Fitted with the following lenses:—

V/10.	Ensar Enlarging Anastigmat f/6.3	...	...	...	...	£8 10 0
V/10M.	Lukos	„	„	f/4.5	...	10 10 0
V/11.	Ensar	„	„	f/6.3	...	9 10 0
V/11M.	Lukos	„	„	f/4.5	...	11 10 0

ENSIGN MAGNAPRINT V/2

Enlarges $\frac{1}{4}$ -plate up to 20×16 in. Smaller sizes in proportion. With counterweight balance for raising and lowering instead of friction drive. 6 in. condenser.

V/2.	Ensar Enlarging Anastigmat f/6.3	...	...	...	...	£14 5 0
------	----------------------------------	-----	-----	-----	-----	---------

ENSIGN MAGNAPRINT AV/11 Automatic Focussing Model

General specification as Model V/11, having in addition an extremely effective and simple automatic focussing mechanism. Enlarges $2\frac{1}{4} \times 3\frac{1}{4}$ in. up to 15×12 in., other sizes in proportion.

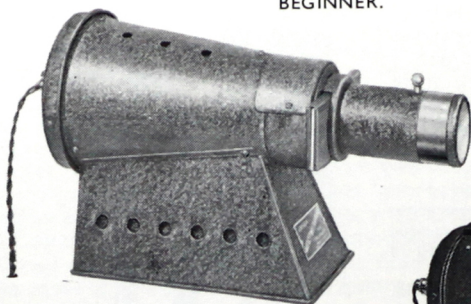
AV/11.	Dallmeyer Anastigmat f/4.5	...	...	...	...	£13 10 0
--------	----------------------------	-----	-----	-----	-----	----------

Silvalux lamps, 100-watt (for V/10, V/11, AV/11), 2/4

150-watt (for V/2) 4/-

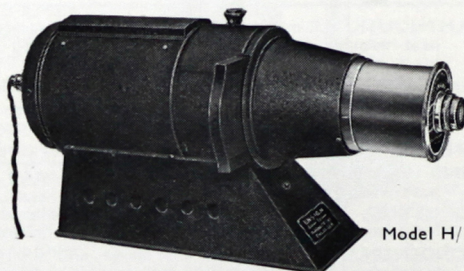
ENSIGN HORIZONTAL MAGNAPRINT

Model H/0. IDEAL FOR THE
BEGINNER.



All metal, finished black ripple enamel, lined internally with a white heat-resisting surface. The rear extremity is closed by a removable cover into the centre of which the lamp-holder with key-way switch is fitted. All models are fitted with Ensar f/6.3 Enlarging Anastigmat giving excellent definition over the whole area. Condensers of ample diameter are fitted. The carrier is provided with masks for smaller sizes.

Ensign Horizontal Magnaprint Enlargers are exceptionally fine value, and are capable of giving absolutely first-class results in all sizes. Model H/O is for miniature negatives.



Model H/I.

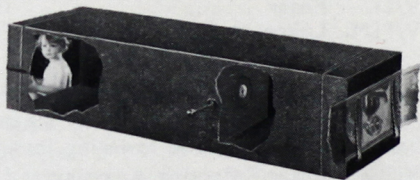
Model H/0.	For all miniature negatives. With Ensar f/6.3 Enlarging Anastigmat and 2½-in. condenser. Will enlarge to all sizes up to 15 × 12 in. . . .	£3 10 0
Model H/1.	For 3½ × 2½ in. and all smaller negatives. With Ensar f/6.3 Enlarging Anastigmat and 4½-in. condenser. Enlarges up to 15 × 12 in. . . .	6 10 0
Model H/2.	For ½-pl. and all smaller negatives. With Ensar f/6.3 Enlarging Anastigmat and 6-in. condenser. Enlarges up to 20 × 16 in. . . .	8 5 0
Lamps extra.	Silvalux Opal 100-watt for H/0 and H/1, 2/4; 150-watt for H/2, 4/-.	

ENLARGING EASELS

No. 0 size 16×13 in. with 15×12 in. chart	..	..	..	..	..	..	10/-
No. 1 size 16×13 in. with pivoted board and stand	..	..	..	..	..	..	15/-
No. 2 size 16×13 in. with board pivoting on ball and socket head	..	..	..	..	..	..	20/-

ENSIGN DAYLIGHT ENLARGERS

No more difficult to handle than an ordinary printing frame, and the results are incomparably more attractive. There is no focussing. Just put the negative at one end and the bromide paper at the other. Made of seasoned wood, leatherette covered. Holders for negative and bromide paper. Achromatic lens and metal shutter.



No. 1.	For post card enlargements, from	$2\frac{1}{2} \times 1\frac{1}{2}$ in.	negatives	..	..	..	..	15/-
No. 1a.	"	"	from half-	$2\frac{1}{2} \times 3\frac{1}{2}$ in.	"	..	..	15/-
No. 2.	"	"	from	$2\frac{1}{2} \times 3\frac{1}{2}$ in.	"	..	..	17/6
No. 3.	"	$\frac{1}{2}$ -plate	"	$3\frac{1}{2} \times 2\frac{1}{2}$ in.	"	..	..	27/6
No. 5.	"	1/1-plate	"	$4\frac{1}{2} \times 3\frac{1}{2}$ in.	"	..	..	32/6

JUNIOR MIDGET ENLARGER

A simple Enlarger for making $3\frac{1}{2} \times 2\frac{1}{2}$ in. enlargements from Midget and Half Vest Pocket negatives.
Complete with mask 5/6

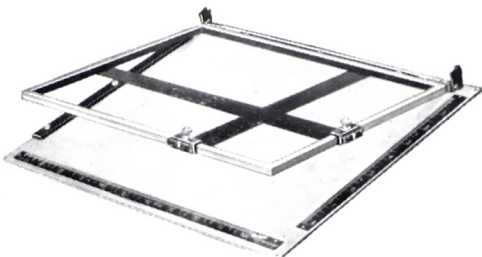
ENSIGN ENLARGER ACCESSORIES

MAGNAPRINT

ADJUSTABLE PAPER HOLDER

An all-metal paper holder scaled in inches, with sliding frames which can be readily adjusted to the required size. The paper is firmly held in place during exposure. Gives clean white margin of any desired width, and by means of special grips a perfectly straightedge is ensured. Strongly built.

All sizes up to 10×8 in. ... 22/6



All sizes up to 15×12 in. ... 49/6

AUTO-MASK PAPER HOLDER

Consists of a metal plate with a hinged cut-out top, which folds over the bromide paper, holds it in position and gives a clean-cut mask to the print. The centre of the paper holder is of white paper, for focussing. Up to the ½-plate size the front mask has springs for automatic raising. Other sizes have a finger lift for raising.

2¼×3¼ in. ... 12/6
¼-plate ... 12/6
5½×3½ in. (post card) ... 12/6

6½×4¾ in. ... 17/6
8½×6½ in. ... £1 2 6
10×8 in. ... 1 7 6
12×10 in. ... 1 12 6



Adjustable Auto-Mask Paper Holder

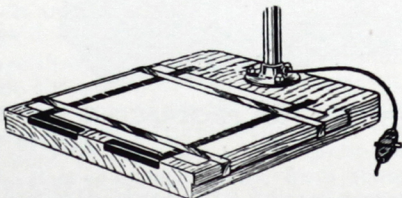
Of exceptionally robust construction, with sliding masks and hinged top. The paper is held perfectly flat and a clean-cut margin is given to the print. For all sizes up to 1/1-plate ... 45/-
For masking En-prints up to 4½×3½ in. 27/6

BROMIDE STRIP CALCULATOR

A test strip of bromide paper is inserted and exposures of varying duration given with the negative in place, the slide being moved along between each exposure so that each section is uncovered for a different length of time. Metal throughout. Will not warp. Black crystalline finish ... 5/6

MAGNAPRINT MASKING SQUARES

A simple method of masking any size bromide enlargement up to 15×12 in. (limit of baseboard). The two calibrated masking squares operating from the front edge of the baseboard may be moved to form the vertical borders of the enlargement whilst the standard Magnaprint paper clamps provide the horizontal borders. Any desired portion of the picture can be masked ... Per pair 7/6



HOLBORN FOCUSsing SCREEN FOR ENLARGERS

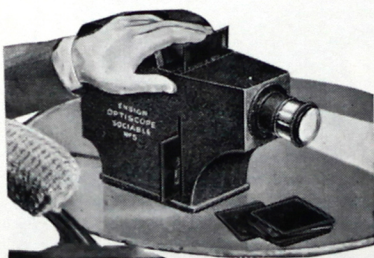
With very fine engraved dots, lines, etc., for critical focussing of negatives in enlargers.
2¼×2¼ in. 1/3 3½×2½ in. 1/6 ¼-plate 2/- Leica and Midget 1/3

SPECIAL ASSORTMENT PACKET OF BARNET BROMIDE ENLARGING PAPER

Enables different grades, tones and surfaces to be tested. Contains 12 sheets 1/1-pl. size Double Weight paper consisting of 3 sheets of each of the following finishes :—Cream Crayon Smooth Natural Surface ; Cream Crayon Rough Natural Surface ; Smooth Ordinary White ; Medium Rough White. Each variety of paper separately packed and marked ... Per Packet 3/-

ENSIGN OPTISCOPES & LANTERNS

The full beauty of a photograph is not realized until it is projected upon a screen. Summer pictures take on a new glamour when they are seen again on the large scale, luminous and full of detail. Even an "ordinary" photograph gains through being thus exhibited. Many years of experience in this highly specialized field have enabled Ensign to cater for it in a way no other firm does, and Ensign Optiscopes enjoy a wonderful reputation.



OPTISCOPES SOCIABLE

Enables $3\frac{1}{2} \times 3\frac{1}{2}$ in. slides to be shown with greatest ease from the comfort of an armchair. The slide carrier is operated by one hand; the insertion of a slide at the top automatically ejects the preceding slide at the side. Gives 4×4 ft. picture. 100 or 250-watt lamps. Suitable for colour transparencies. All metal.

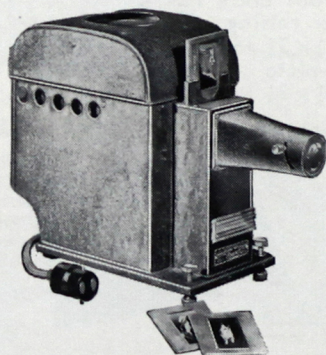
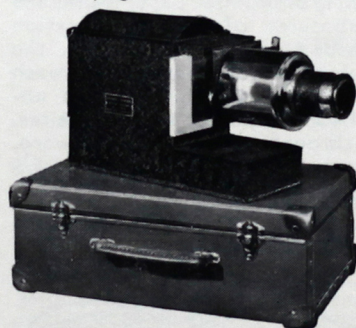
Without lamp	£6 15 0
Lamps: 100-watt 10/9	250-watt 22/6
Heat-resisting glass for use with 250-watt lamp and colour transparencies	3/6
Blue filter for colour projections	10/6
Fibre carrying case	7/6

MINIATURE OPTISCOPES

For the projection of 2×2 in. slides carrying miniature transparencies. Operation is most simple—the slide is inserted in a vertical chute, and as it is pressed into position a projected slide drops into a compartment beneath, which has accommodation for 9-10 slides.

Ensign f/4.5 Anastigmat lens. For 100 or 250-watt lamp.

All metal.	
Without lamp	£6 6 0
Lamps: 100-watt 11/9	250-watt 23/6
Heat-resisting glass for use with 250-watt lamp and colour transparencies	3/6
Blue filter for colour projection	7/6
Fibre carrying case	7/6



JUNIOR LANTERN

A well-made lantern for junior home lectures and entertainment. Adapted for use with electric light. Gives a well illuminated 5 ft. picture at 10 ft. from the screen. Enamelled metal body. Ample ventilation. Hinged back door. The sliding tube gives extra extension. Well ventilated condenser. Double achromatic lens, 6 in. focus, in focussing mount. 4 in. Plano Convex Condenser. Slide carrier. Takes any 60-watt lamp.

Without lamp	£3 10 0
--------------	---------

PRICES FOR PRODUCING LANTERN SLIDES OR TRANSPARENCIES FROM NEGATIVES

Slides up to $3\frac{1}{2} \times 3\frac{1}{2}$ in. (Black and White)

Under 6, 2/- each. 6-11, 1/3 each. 12 or more, 1/- each. Unbound and without cover glass, 1/3 each, 9/- per dozen. Colouring, from 2/6 each extra. Sepia 25 per cent extra.

Dia-Positives from 35 mm. Negatives

12 exposures, 2/- 18 exposures, 3/- 36 exposures, 5/-

Verscope Transparencies (Black and White)

45 x 107 mm.	Without cover glass	1/- each	..	Bound and with cover glass	1/6 each
6 x 13 cm.	"	1/3	"	"	2/-
9 x 13 cm.	"	1/6	"	"	2/3

Sepia 25 per cent extra.

Other Ensign Optiscopes models and a most comprehensive range of accessories are described in the 16-page Ensign Catalogue of Projection Apparatus and Accessories.



“DO IT YOURSELF”

by *Ensign*

*H*ow much greater pleasure there is in the practice of photography, if one has the satisfaction of saying “I have done it myself.”

The joy of watching the latent image slowly emerge from the emulsion, in the developer, is one which does not diminish with constant repetition. From the diffident approach to the development of the first negative, one rapidly graduates to skilled craftsmanship. The pictures produced by the individual, careful and skilled treatment of the keen and experienced amateur photographer are as different as night from day, from those mechanically produced, without any knowledge of the circumstances existing at the time of the original exposure.

To enable all amateur photographers to experience this very real satisfaction of looking back on a job thoroughly well done, Ensign has produced a range of “Do it yourself” outfits. These contain all that is necessary for the simpler photographic processes and are especially suited to those with little experience. Everything that is necessary is contained in the outfits and full particulars are printed on the following pages.

ENSIGN "DO-IT-YOURSELF" OUTFITS



"DO-IT-YOURSELF" OUTFIT

For developing and printing from $3\frac{1}{4} \times 2\frac{1}{4}$ in. negatives. Contents:—1 oz. bottle "Azol" Developer, Bakelite Developing Dish, Xylonite Fixing Dish, Dark-room Lamp with night light, 4 oz. Tumbler Measure, $3\frac{1}{2} \times 2\frac{1}{2}$ in. Printing Frame, Floating Thermometer, 4 oz. tin Acid Fixing Powder, Tube Amidol Developer, three packets M.Q. Developer. In cardboard box ... 10/6
In well-made wood cabinet for fixing to wall 17/6

"ALL-DAYLIGHT" OUTFIT

For developing and printing from $3\frac{1}{4} \times 2\frac{1}{4}$ in. negatives. Contents:—Ensign Junior Developing Tank, $\frac{1}{4}$ -plate Xylonite Dish, 4 oz. Glass Tumbler Measure, No. 4 C.D.V. Printing Frame, Thermometer, 2 packets Acid Hypo, 4 packets Developer. In cardboard box ... 17/6



JUNIOR MIDGET OUTFIT

For developing and printing Midget films. Contents:—Celluloid Developing Dish, Dark-room Lamp, Bakelite Dish, Printing Frame, 4 oz. Measure, Thermometer, 1 packet Fixing, 1 packet M.Q. Developer, 1 packet Fine Grain Developer. In attractive storage box with full instructions ... 8/6



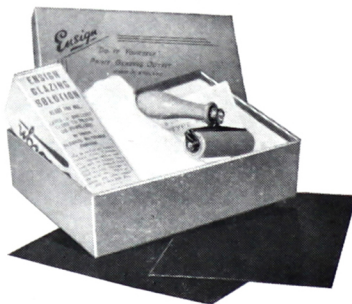
PRINTING OUTFIT

All that is required for making $3\frac{1}{4} \times 2\frac{1}{4}$ in. prints. Contains Printing Frame, Dish, Measure, Fixing Salts for Self-toning and Gaslight Paper, and Developer ... 3/9

E-29 PRINTING OUTFIT

Specially introduced for use with the Ensign E-29 camera. Contains everything needed to produce first-class prints. Full instructions are provided. Contents:— $\frac{1}{4}$ -plate Japanned Metal Dish, 2 oz. Glass Tumbler Measure, 3×2 in. Printing

Frame, packet M.Q. Developer, packet Acid Hypo, packet Soda-Hypo ... 2/6



GLAZING OUTFIT

In this outfit is assembled all that is required for the glazing of prints and enlargements. It includes two 7×5 in. Ferrotypes plates, one 4 in. Roller Squeegee, 10 oz. bottle of Ensign Glazing Solution and supply of Cotton Wool.

In cardboard box, with full instructions 4/-

ENSIGN "DO IT YOURSELF"

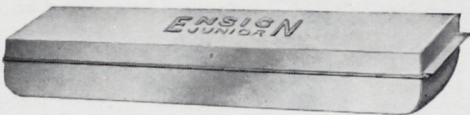
DAYLIGHT DEVELOPING TANKS

Doing your own developing is very interesting and involves no tedious hours in the dark-room. A daylight tank will do it all for you, and if you use High Speed or Panchromatic Film is absolutely essential.

ENSIGN JUNIOR TANK

For the beginner. Metal throughout, with aluminium finish outside, and special anti-sulphuric coating on the inside so as to render the dish impervious to chemical action.

For Size E-20 $2\frac{1}{2} \times 3\frac{1}{2}$ in. roll-films .. 10/6
Developing Powders, packet of 6 .. 1/-



ENSIGN CARBINE SUPER TANK

Enables paper to be removed from film while it is in the tank, and to be withdrawn without difficulty. Entire process in daylight. No risk of "fogging." Operations are automatic and simple to control. Made of nickel silver. Model 20—for $2\frac{1}{2} \times 3\frac{1}{2}$ in. films 30/-

ENSIGN CARBINE DAYLIGHT TANK

Suitable for all types of film. Every operation in full daylight. No "apron." No messy container. No changing box required—Absolute simplicity.

		Tank	Developing Powders Box of 6
No. 1	for size E-27 films $2\frac{1}{2} \times 1\frac{1}{2}$ in.	20/-	1/6
No. 2	" E-20 " $2\frac{1}{2} \times 3\frac{1}{2}$ in.	25/-	2/-
No. 3	" E-16 " $2\frac{1}{2} \times 4\frac{1}{2}$ in.	27/6	2/6
No. 4	" E-18 " $3\frac{1}{4} \times 4\frac{1}{4}$ in.	32/6	2/6

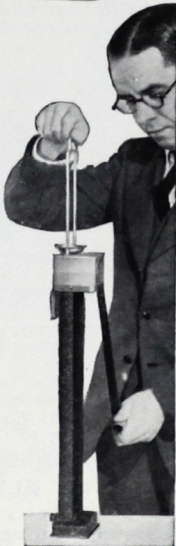
ENSIGN MIDGET JUNIOR DEVELOPING DISH

Specially designed for the beginner. The Midget film is placed into the dish. The dish is filled with developer and after the daylight cover has been placed in position the work may be finished in the daylight.

Dish only .. 1/9 Cover only .. 2/9



Carbine Tank



Carbine Super Tank

ENSIGN MIDGET FINE GRAIN DEVELOPER

A specially prepared developer to give the finest possible grain in Ensign Midget negatives, and each packet can be used for several films. Packet of 2 .. 6d.

ENSIGN KLIMAX TANK FOR PLATES

All operations (except loading) can be carried out in daylight. Six plates may be developed at one time. Brass throughout, with exceptionally fine nickel-plating.

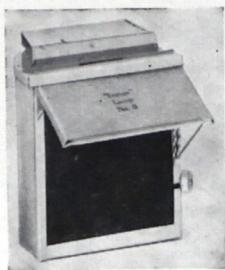
$3\frac{1}{2} \times 2\frac{1}{2}$ in. 18/6 $3\frac{1}{4} \times 4\frac{1}{4}$ in. 20/-
Developing Powders—box of 6 1/6

FILM PACK TANK

For the daylight development of a complete film pack or 12 plates. Every operation, except loading, done in daylight. Films loaded separately into carriers. Solid nickel, with loose rack for films.

No. 1 for $3\frac{1}{2} \times 2\frac{1}{2}$ in., 26/6 No. 2, $4\frac{1}{4} \times 3\frac{1}{4}$ in., 27/6 No. 3, $5\frac{1}{2} \times 3\frac{1}{2}$ in., 29/9
Developing Powders—packets of 6 No. 1 .. 1/6 No. 2 .. 2/3 No. 3 .. 3/-

ENSIGN DARKROOM LAMPS



For Night Lights—Japanned metal, substantially made and well ventilated. Fitted with removable top, safe ruby glass and night-light.

No. 1. With glass front, $3\frac{1}{2} \times 2\frac{3}{4}$ in.		1/6
---	---------	-----

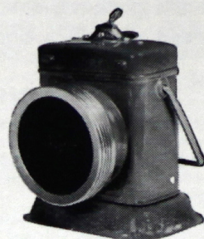
Night Lights, 3d.

For Oil Burning—Metal, enamelled and well ventilated. Removable top.

No. 5. With pick-up burner, and
safe glass, $4\frac{1}{2} \times 27$ in. .. 2/6

No. 6. With externally operated burner, cowl, adjustable shade and safe glass, $5 \times 4\frac{1}{2}$ in. . . 4/6

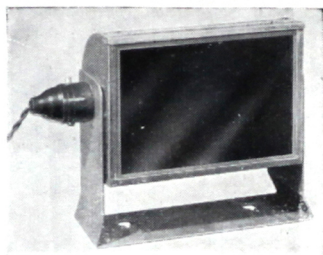
Ensign Burning Oil, 6-oz. tins	..	9d.
--------------------------------	----	-----



Safelight "Portable"

SAFELIGHT "PORTABLE"

Operated by a flash-lamp battery. Provided with a ruby ground glass and an orange safelight filter so that its use is by no means limited. A plain glass provided enables the lamp to be used as an ordinary hand lamp. 4/6



ALLWAYS ELECTRIC DARK-ROOM LAMP

Can be fixed to the wall, ceiling, or bench. The light can be directed to suit individual requirements so that direct or reflected light can be used. Lamphouse is attached to a well-made angle bracket, with screw holes for fixing; a suitable length of flex, with switch, is supplied. All-metal construction. 30-watt or 60-watt lamps can be used. Supplied with ruby glass.

No. 1.	7×5 in.	..	..	..	..	25/-
No. 2.	10×8 in.	..	..	..	..	33/6

SAFELIGHT LAMPS

Strongly made of Japanned metal, white enamelled inside and well ventilated. The reflected light is evenly distributed. For electric light, with flex and adapter.

[illegible]

No. 20.	With 7×9 in. Light Filter	.. .. .	15/-
No. 23.	With 10×8 in. Light Filter, and removable panels for access to burner	.. .. .	35/-

Ilford Safelight Filters (4 grades).	7×5 in. . .	3/-	10×8 in. . .	5/6
---	-------------	-----	--------------	-----

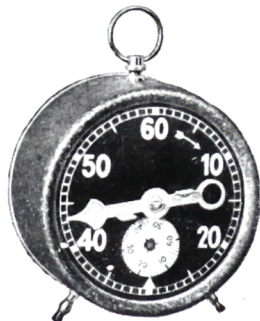
ELECTRIC LIGHT COVERS

Makes any room a perfect "dark-room" at a moment's notice. For use on any electric point, for loading plates, making prints or developing.

No. 24a. Ruby 5/- No. 25a. Orange 5/-

DARK-ROOM BULBS

These lamps will never develop heat. The light given cannot "fog" plates or films. (State exact voltage).



Nubian

Dark Red for orthochromatic material	2/9
Pale Red for Bromide papers ..	2/9
Amber for gaslight papers ..	2/6
Dark Green for panchromatic material	2/6



NUBIAN DARK-ROOM CLOCK

Indicates seconds and minutes on separate dials. Clearly defined hands and figures, easily readable in red light. Rings alarm at hour 18/6

LANDELL DARK-ROOM CLOCK

Indicates seconds and minutes. Fitted with starting and stopping device. Alarm can be set to ring automatically at any given time from half-a-minute upwards. Grey enamelled case with bold clear hands and dial 25/-

DARKROOM ACCESSORIES



"Universal"

MEASURES

Ensign "Universal."
Tumbler shape moulded with foot and lip. With English and Metric fluid graduations, and for bulk chemicals. Holds 10 oz. .. 3/-
Tumbler. White enamelled graduations, glass.
1 dr. 2 dr. 1 oz. 2 oz. 4 oz. 8 oz. 10 oz. 16 oz. 20 oz.
1/- 9d. 1/- 1/4 1/6 2/- 2/3

Everseen. Black Print markings, white top edge.
Conical 1/6 1/8 2/-
Cylindrical 1/8 2/- .. 3/- .. 4/6

Engraved Letter.
Conical 11d. 11d. 1/3 1/6 1/8 2/- 2/3 .. 2/6
Cylindrical 1/3 1/6 1/8 2/- 2/3 .. 2/6

Celluloid.
Tumbler shape 2/- 2/6 .. 4/- ..

DEVELOPING DISHES

PORCELAIN. Finest quality Staffordshire Porcelain

In.	Semi-deep	Deep
3 1/2 x 2 1/2	1/4	1/5
4 1/2 x 3 1/2	1/8	1/11
5 x 4	2/-	2/3
5 1/2 x 3 1/2	2/-	2/3
6 1/2 x 4 1/2	2/9	3/-
8 1/2 x 6 1/2	4/3	4/9

XYLONITE. With ribbed bottom and lip.

In.	..	..	7d.
4 1/2 x 3 1/2	..	..	8d.
5 1/2 x 3 1/2	..	..	1/-
6 1/2 x 4 1/2	..	..	1/4

ENAMELLED STEEL.

Double coated. White enamelled.

BAKELITE. Light and practically unbreakable.

	Black	Red
3 1/2 x 2 1/2	1/-	1/-
1/-plate	1/3	1/3
Post Card	1/9	1/9
1/-plate	2/3	2/9
1/1-plate	3/3	4/-

In.	..	..	1/10
4 1/2 x 3 1/2	..	..	2/3
5 x 4	..	..	2/3
5 1/2 x 3 1/2	..	..	2/9
6 1/2 x 4 1/2	..	..	3/9
8 1/2 x 6 1/2	..	..	17/6

GLASS

7 x 5 x 2 in.	..	4/6	9 x 7 x 2 in.	..	5/6
---------------	----	-----	---------------	----	-----



TRIDENT DEVELOPING WEIGHT

Facilitates the development of roll films in lengths. Made in porcelain.
No. 1. Takes films up to 3 1/2 in. wide (without dish) 2/9

STIRRING RODS

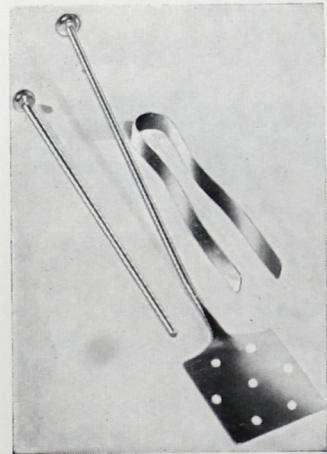
Ebonite	1/-	Stainless Steel	1/3
Glass	6 in., 3d.	8 in., 4d.	12 in., 5d.
Ebonite Stirring Rod and Tablet Crusher	1/-		

FORCEPS

Ebonite—	
Small 6d.	Large 1/.
Stainless Steel—	
Small 8d.	Large 1/6
Ebonite Forceps with dish rest ..	1/9

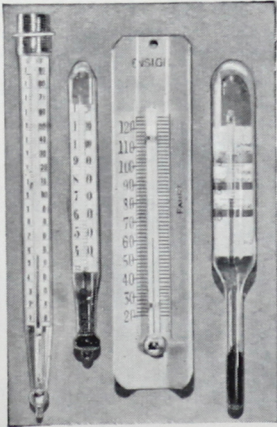
PRINT LIFTERS

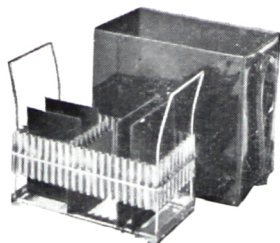
Celluloid, small	1/3
Ebonite	2/6
Stainless Steel ..	2/6



THERMOMETERS

No. 1. 5 in. nickel case. Opal scale to 190° Fahr. .. 2/-
No. 3. Weighted end. 3 1/2 in. long. Up to 130° Fahr. .. 1/6
No. 2. In nickel frame, engraved from 20° to 130° Fahr. 3/-
No. 4. "Exax." Each temperature point is marked with a coloured strip. This, together with blue spirit, gives a very clear reading in daylight or dark-room. Danger point for gelatine is indicated. For developing and fixing 2/6





No. 2



No. 7



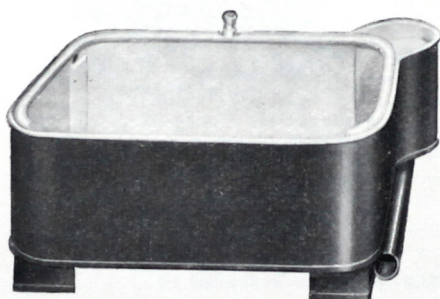
Speed Washer

WASHERS

For Plates. No. 2. Japanned, with syphon and loose zinc rack for 18 $\frac{1}{4}$ -plates and 9 $\frac{1}{2}$ -plates. Adaptable for all sizes up to $\frac{1}{2}$ -plate 4/6
 No. 3. As No. 2, but made of zinc 6/6
For Prints and Films. No. 7. Round, japanned, white inside.
 $3\frac{1}{2} \times 2\frac{1}{2}$ in. 7/6 $4\frac{1}{2} \times 3\frac{1}{4}$ in. 9/-

ENSIGN AMATEUR SPEED WASHER

Automatic action. Complete change of water every three minutes. No great pressure of water is required to keep the prints or cards in motion. Connect to tap with hosepipe, turn on water and washer will automatically empty and refill continuously. Made in extra stout zinc, coated with special hard cellulose enamel 15/- Hosepipe connection 4/-



AUTO-SPEED PRINT AND POST CARD WASHER

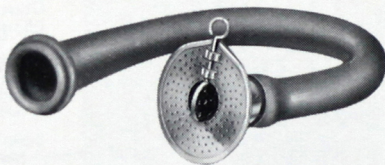
Will wash large prints in a confined space. Complete change of water every three minutes, therefore a print can be perfectly washed in fifteen minutes.

For prints up to	12 x 10 in.	..	£1	7	6
"	15 x 12 in.	..	1	18	6
"	20 x 16 in.	..	2	4	0
"	24 x 20 in.	..	2	15	0
Hosepipe connection	..	..	4	0	

CARBINE SPRAY ATTACHMENT

A very ingenious metal nozzle fitted to a 12-in. rubber hose enables either a fine spray or a strong jet of water to be directed on to prints or negatives which are being washed. Easily fitted to any standard tap. Useful also for rinsing sink or tank.

2/6



Syphon

ANTI-SWIRL

A rubber attachment, easily fitted to any standard tap. Prevents splashing, and so is most useful for washing plates and prints 6d.

ENSIGN INTERMITTENT SYPHON

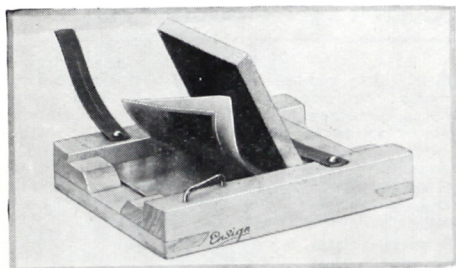
Continues to fill and empty a dish or tank so long as the water is allowed to run. Chromium-plated.

No. 1. For use in dishes 7/6

ENSIGN SYPHON

Simply hangs over the side of the dish. After priming, the water will flow until its level sinks to the small holes. The flow will continue when the water in the dish reaches normal level. The Hypo laden water is drawn off from the bottom. Made of ebonite 9d.

ENSIGN PRINTING FRAMES



No. 6 FOR PLATES

Size of Rebate					
$3\frac{1}{8} \times 2\frac{1}{8}$ in.	..	..	..	..	1/3
$4\frac{1}{4} \times 3\frac{1}{4}$ in.	..	..	..	..	1/6
$5\frac{1}{2} \times 3\frac{1}{2}$ in.	..	..	..	..	2/3
5×4 in.	..	..	..	..	2/9
$6\frac{1}{2} \times 4\frac{1}{2}$ in.	..	..	..	..	3/3
$8\frac{1}{2} \times 6\frac{1}{2}$ in.	..	..	..	..	7/-

Wood with jointed corners. A flush cloth hinge is fitted to the small sizes and two brass hinges to the larger frames.

No. 4

FOR FILMS (With Glass)

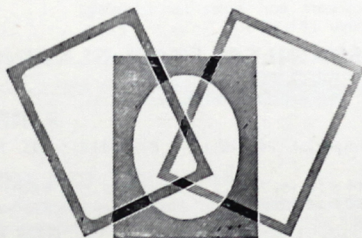
Size of Rebate		For Negs.		
$1\frac{1}{8} \times 1\frac{1}{8}$ in.	..	$1\frac{1}{8} \times 1\frac{1}{8}$ in. (Midget)	..	1/3
3×2 in.	..	$2\frac{1}{4} \times 1\frac{3}{4}$ in.	..	1/3
$2\frac{1}{2} \times 2\frac{1}{2}$ in.	..	$2\frac{1}{4} \times 2\frac{1}{4}$ in.	..	1/3
$3\frac{1}{2} \times 2\frac{1}{2}$ in.	..	3×2 in.	..	1/3
$3\frac{1}{2} \times 2\frac{1}{2}$ in.	..	$3\frac{1}{2} \times 2\frac{1}{2}$ in.	..	1/4
$4\frac{1}{2} \times 2\frac{1}{2}$ in.	..	$4\frac{1}{2} \times 2\frac{1}{2}$ in.	..	1/6
$4\frac{1}{2} \times 3\frac{1}{2}$ in.	..	$4\frac{1}{2} \times 3\frac{1}{2}$ in.	..	1/6
$5\frac{1}{2} \times 3\frac{1}{2}$ in.	..	$4\frac{3}{4} \times 2\frac{3}{4}$ in.	..	1/6
$6 \times 3\frac{3}{8}$ in.	..	$5\frac{1}{2} \times 3\frac{1}{2}$ in.	..	2/3
$5\frac{1}{2} \times 4\frac{1}{2}$ in.	..	5×4 in.	..	2/9

"SEE-THRU" PRINTING MASKS

Transparent orange celluloid giving crisp masking of prints. Rectangular, oval, and rectangular with cushion corners.

Prices per packet of each size:

Set of 3		Set of 3	
$1\frac{7}{8} \times 1\frac{1}{2}$ in.	.. 6d.	3×2 in.	.. 6d.
$2\frac{1}{4} \times 1\frac{7}{8}$ in.	.. 6d.	$3\frac{1}{2} \times 2\frac{1}{2}$ in.	.. 6d.
$2\frac{1}{2} \times 1\frac{1}{2}$ in.	.. 6d.	$\frac{1}{2}$ -plate and $4\frac{1}{2} \times 2\frac{1}{2}$ in.	9d.
$2\frac{1}{2} \times 2\frac{1}{2}$ in.	.. 6d.	Post card and 5×4 in.	10d.
$2\frac{1}{2} \times 1\frac{1}{8}$ in.	.. 6d.	$\frac{1}{2}$ -plate	.. 1/6



OPAQUE MASKS

Clean cut, square, circular and oval openings. Packets of 25. $2\frac{1}{4} \times 2\frac{1}{4}$ in., $2\frac{1}{2} \times 1\frac{1}{8}$ in., $2\frac{1}{2} \times 1\frac{1}{8}$ in. (half-20), 3×2 in., $3\frac{1}{4} \times 2\frac{1}{4}$ in., $4\frac{1}{2} \times 2\frac{1}{2}$ in., $4\frac{1}{2} \times 3\frac{1}{2}$ in., $5\frac{1}{2} \times 3\frac{1}{2}$ in., and 5×4 in., packet of each size, 6d.

VIGNETTERS

Celluloid. For adding vignettes to snapshots. Delicately graduated, pear or oval. Singles
 $3\frac{1}{2} \times 2\frac{1}{2}$ in. 6d. $4\frac{1}{2} \times 2\frac{1}{2}$ in. 9d. $4\frac{1}{2} \times 3\frac{1}{2}$ in. 9d. $5\frac{1}{2} \times 3\frac{1}{2}$ in. 1/- $6\frac{1}{2} \times 4\frac{1}{2}$ in. 1/6

CELLULOID CLOUD NEGATIVES

Improve the appearance and pictorial value of prints. Assorted designs of clouds.
 $3\frac{1}{2} \times 2\frac{1}{2}$ in. .. 1/- $4\frac{1}{2} \times 3\frac{1}{2}$ in. .. 1/3 $5\frac{1}{2} \times 3\frac{1}{2}$ in. .. 1/6 $6\frac{1}{2} \times 4\frac{1}{2}$ in. .. 2/-

HOLBORN CHEMICAL BALANCE

A strongly made balance, fitted with special deep pan, and clearly engraved scale.

No. 1. Up to 2 oz. 3/9

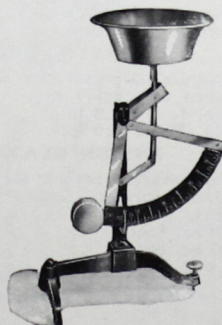
No. 2. Up to 4 oz. 5/6

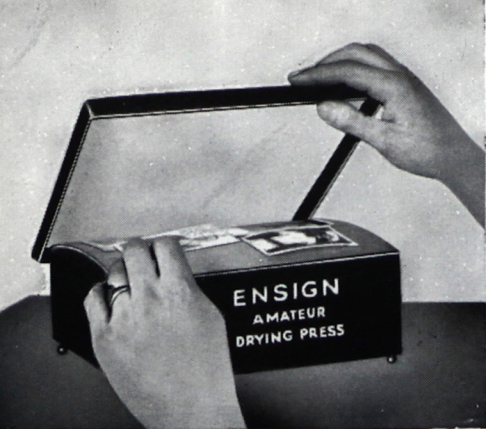
ENSIGN SCALES

No. 12a. Nickel-plated, with large loose nickel pan and oak base, with set of weights for weighing up to 12 oz. .. 19/6

Balance Scales. Accurately balanced. With grain and dram weights in box.

No.		Beam			Pans
1	..	6 in.	..	..	Brass 8/6
3	..	6 in.	..	..	Glass 10/6
6	..	6 in.	..	..	Brass 11/-
Set of grain and dram	Weights	..	..	..	1/6





PRINT DRYING & GLAZING PRESS

Dries glossy, semi-matt and matt prints and enlargements. For glossy finish the prints are squeegeed on to Ferrotypes. For drying only, the prints are placed on to the non-rusting metal top which is curved to counteract the curling of the prints. A linen cover keeps the prints in position. Strongly made of metal. Complete with Ferrotype plate, flex and lampholders (lamps extra). Two 60-watt ordinary lighting lamps may be used. .. 21/-
 Ferrotype plates, 9x7 in. 6d. each.
 Chromium plates, 9x7 in. 3/- each.

ELECTRIC HANDIDRIER

A simple and economical method of drying films and prints. Placed on the floor or on a shelf; the films, prints, etc., are suspended above. The gentle heat causes sufficient warm air to rise to dry the films or prints without damage. The drier consumes very little current (approximately 1 unit) during 7 hours continuous use. Quite portable and can be put to many other uses. Complete with two yards of three-core cable 8/3

CHROMIUM GLAZING PLATES

First-class plating, prints will not stick. With rounded corners and holes for hanging.

Size 14x10 in. 5/6

STAINLESS STEEL GLAZING PLATES

Size 14x10 in. each 12/9



FERROTYPE PLATES

Imperial, 14x10 in. Each 11d.; doz. 10/6 Stout Each 1/-; doz. 11/6

AI QUALITY

14x10 in. each 1/9 17x12 in. each 3/9
 20x14 in. each 4/9 24x18 in. each 6/6

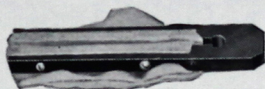
ROLLER SQUEEGEES

No. 1. Cast-metal frame, polished wood handle and roller with grey rubber covering. 2/3
 4 in. 1/8 6 in.
 No. 2. Cast-metal frame, polished wood handle and roller with non-perishable red rubber covering 2/6
 4 in.

FLAT SQUEEGEES

Glued stout grey rubber and wood handle. 4 in., 1/6 6 in., 2/1 8 in., 2/7 12 in., 3/7

FILM SQUEEGEE



To speed up the drying time of roll films. The chamois is soaked for a few minutes. The film is inserted between the two prongs and drawn through when the surplus water is removed. Soundly made of black ebonite 2/3

ENSIGN PRINT GLAZERS

No. 1. 10x8 in. 1/-
 No. 2. 12x10 in. 1/6

KLITO PRINT GLAZERS

Require no preparation with chalk. Prints fall off when thoroughly dry.

No. 1. 10x8 in. 3/6
 No. 2. 12x10 in. 4/6

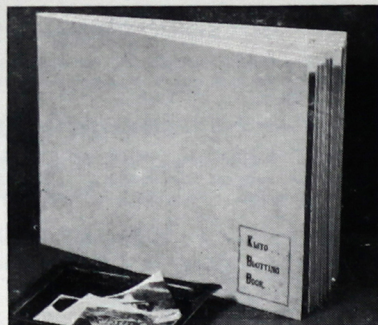
ENSIGN GLAZING SOLUTION

For ensuring perfect surface, and no sticking to glazing surface. Ordinary strength (for immediate use).

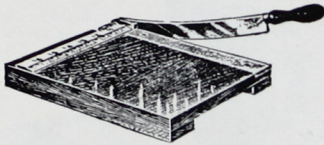
10 oz. bottle 1/3
 20 oz. bottle 2/-

KLITO BLOTting BOOKS

Chemically pure paper, no fluff. Twelve leaves.
 7 x 5 1/2 in. .. 1/- 11 x 9 in. .. 1/6
 8 1/2 x 6 1/2 in. .. 1/3 14 1/2 x 12 in. .. 2/6



PRINT TRIMMERS



Wood



Metal

Wood

Polished hardwood, with graduated rule. Sheffield steel blade gives a clean-cut edge.
5 in. .. 9/6 7 in. .. 11/6 9 in. .. 16/6

Metal

With a 6 in. cutting edge. The table has a transparent celluloid holding strip so that trimming prints with equal white margins becomes a simple matter .. 7/6

Deckle-Edge

Cutting knife has serrated cast edge which produces the deckle edge on print. Fitted with transparent cutting gauge.

5 3/4 in. Metal throughout 12/6
9 1/2 in. Hardwood baseboard 35/-

Jay-Nay

No. 2. A popular-priced but efficient trimmer.
5 in. .. 4/3 7 in. .. 5/7

MARRIS SLIDE-BLADE KNIFE

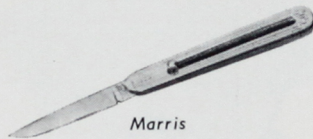
The blade slides into position from its holder and the slide is slotted, to give the blade three lengths. The first position gives a good trimming blade, the second allows just the right pressure to be applied for retouching, and the third a full-length blade for all purposes .. 2/9

Extra Blades :

Ordinary steel 1/- each. Stainless steel 1/3 each.

TRIMMING KNIVES

No. 3. Double-edge knife with spear-point and ebonized handle. A favourite .. 2/-
No. 4. Swivel cutter for ovals and circles .. 2/6
Extra wheels each 6d.



Marris



No. 3



Pen Nib

PEN NIB TRIMMERS

For trimming or retouching. Used in holder supplied for any ordinary pen-holder. 20 with holder .. 1/6

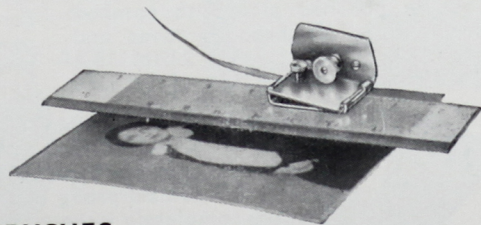
No. 5. Pen nib trimmer and retouching blade (box of 12) 1/-



No. 5 (actual size)

MOUNT CUTTER'S KNIFE

Long steel blade in adjustable handle .. 5/-
Extra blades each 2/6

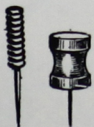


HOLBORN EXACT TRIMMER

A useful means of utilizing old Gillette type razor blades. The trimmer is laid upon a ruler, pressed down and drawn along, when a clean cut results .. 1/6

BRUSHES

Mounting.	Stub.	Stiff hog hair, short handle ..	..	..	..	..	..	5d.
Dusting.	Black bristles, wood handle. ..	..	1 in. 1/-	2 in. 2/-	3 in. 3/-	4 in. 3/9		
Spotting.		00	0	1	2	3	4	5
Ordinary quality	5d.	5d.	5d.	6d.	7d.	8d.	10d.	1/-
Best quality, Pure Sable	8d.	8d.	9d.	10d.	11d.	12d.	14	1/8



DARK ROOM PINS

Per doz.

PRIMUS.	Coiled wire heads and needle points ..	..	..	1/-
ENSIGN.	Unbreakable Erinoid, assorted colours. Small 1/-	Large	1/3	
HOLBORN.	Aluminium top, needle points ..	..	..	1/-
In boxes of 72, assorted colours ..	..	..	..	6/-

ENSIGN FILM STORAGE ALBUMS

"CELLOFILE"

Enables the negatives to be distinguished and examined in detail without the least difficulty—as if there were no covering whatever to them. In stout cover with snap-button fastener, and secured by two easily removable metal binding pillars. Numbered index. Holds 100 negatives.

For negatives up to:

- No. 19. $2\frac{1}{4} \times 2\frac{1}{4}$ in. 2/6
- No. 20. $2\frac{1}{4} \times 3\frac{1}{4}$ in. 3/-
- No. 21. $2\frac{1}{4} \times 4\frac{1}{4}$ in. 3/6
- No. 22. $3\frac{1}{4} \times 4\frac{1}{4}$ in. 3/6
- No. 23. $3\frac{1}{2} \times 5\frac{1}{2}$ in. 5/-



For $3\frac{1}{4} \times 2\frac{1}{4}$ in.
or V.P.

Contains 100 numbered transparent envelopes and index, bound by loose-leaf binder into stout art linen covers. Each envelope is interchangeable and removable.

No. 15. For $3\frac{1}{4} \times 2\frac{1}{4}$ in. or V.P. negs. 2/6

NEGATIVE PLATE BOXES

Made in polished pine with combed corners; 50 hardwood grooves and index.

$4\frac{1}{4} \times 3\frac{1}{4}$ in. 8/6

$3\frac{1}{2} \times 2\frac{1}{2}$ in. 7/6
 $6\frac{1}{2} \times 4\frac{3}{4}$ in. 10/6



"Spikit"

Two prongs pierce the film, which is held away from the clip by the conical prong in a recessed hole. The ends of the film are completely exposed on both sides, and dry as quickly as the rest of the film.

Standard hard brass plated 8d.

Stainless steel 1/3

"SPIKIT" Weight Clip

Hard brass plated ... 1/- Stainless Steel ... 2/-

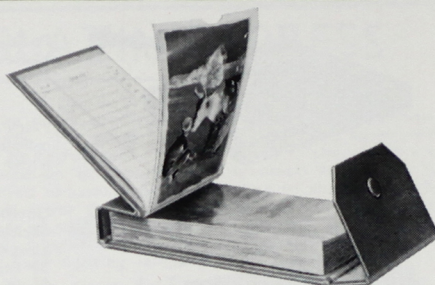
FILM and PRINT Clip. Nickelled metal. 1 in. 2d. $2\frac{1}{2}$ in. 6d.

WOOD CLIP. Hardwood, with metal spring. Per dozen $4\frac{1}{2}$ d.

HOOK CLIP. For films or prints. Practically rustproof 3d.

LOCKLIP CLIP. Metal. Grips tightly and releases easily 2d.

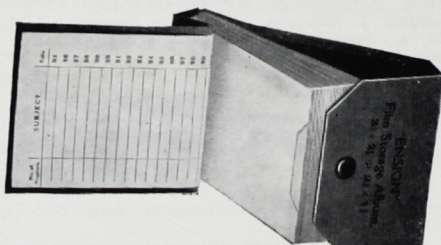
PHOTO-PRINT CLIP. A neat little metal clip for hanging films, prints, etc. ... Box of 12, 1/3



FILM STORAGE ALBUMS

For Miniature Transparencies

Contains 108 numbered transparent envelopes, each accommodating a strip of 35 mm. film carrying 4 transparencies or negatives. Complete with index, and bound by loose leaf binder into stiff black leather cloth covers, with snap-button fastener. The transparencies or negatives are easily discernible and any strip can be removed without disturbing the rest. No. 31 ... 3/6



EXPRESS NEGATIVE BOXES

For plates or films, strong outer case covered grain paper with drawer, 50 printed envelopes.

$3\frac{1}{2} \times 2\frac{1}{2}$ in. 4/-

$4\frac{1}{4} \times 3\frac{1}{4}$ in. 4/6

ENSIGN PRINT CLIPS

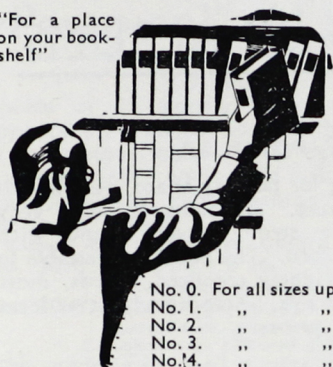
"SPIKIT"



Photo
Print

ENSIGN "PHOTO LIBRARY"

"For a place on your book-shelf"



A good photograph is comparable to a good book, and should be looked after accordingly. Strongly bound in tasteful colours, the "Photo-Library" Album resembles a book. It will stand on the bookshelf and not look out of place with the volumes already there.

BOOK BOXES

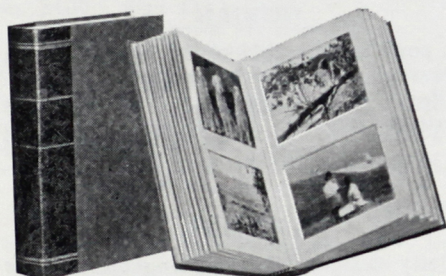
A new pattern covered in bright variegated colours—brown or blue in tone. Upon the spine the word "PHOTOGRAPHS" is gilt-embossed. Contains approximately 100 prints. Snap-button fastener. Style A, Brown. Style B, Blue.

No. 0.	For all sizes up to	$4\frac{1}{2} \times 3\frac{1}{2}$ in.	1/-
No. 1.	"	$5\frac{1}{2} \times 3\frac{1}{2}$ in.	1/3
No. 2.	"	$6\frac{1}{2} \times 4\frac{1}{2}$ in.	1/6
No. 3.	"	$8\frac{1}{2} \times 6\frac{1}{2}$ in.	1/9
No. 4.	"	10×8 in.	3/-



ALBUMS

No. 3085.	Slip-in	For 100 $3\frac{1}{2} \times 2\frac{1}{2}$ in. prints, two on a page	2/6
	Paste-on		
No. 3086.	72 pages, size 7×5 in.		3/6
No. 3087.	72 pages, size $9\frac{1}{2} \times 7$ in.		5/6
	De Luxe Pattern (Paste-on)		
	With padded Rexine covers.		
No. 3067.	72 pages, size $9\frac{1}{2} \times 7$ in.		7/6



PORTFOLIOS

A most sensible way of storing and presenting photographs which have a special value for the owner. The design is a very simple one, and the appearance is attractive, the boards being covered in a pleasing green or blue embossed paper, and strongly bound in linen, with stout paper flaps. With black tapes. Style A, Green. Style B, Blue.

For prints $8\frac{1}{2} \times 6\frac{1}{2}$ in.	1/-	For prints 20×16 in.	3/-
" 12×10 in.	1/9	" 25×20 in.	4/6



POCKET ALBUMS



Gripsnap

Gripsnap

Has 16 stub adhesive leaves, to which the prints are affixed. Blue Rexine cover, with glove-snap fastener. Takes all sizes up to $3\frac{1}{2} \times 2\frac{1}{2}$ in. No. 3097. For 16 prints 6d.

Gretna

A slip-in Album. Takes 32 $3\frac{1}{2} \times 2\frac{1}{2}$ in. prints. Grey leaves, with slots for prints. Printed surround. Art cover. No. 3075. For 32 $3\frac{1}{2} \times 2\frac{1}{2}$ in. prints .. 3d.

Graphic

A neat slip-in Album, with leatherette cover. Takes 16 $3\frac{1}{2} \times 2\frac{1}{2}$ in. prints. Grey leaves finished off with printed surround. No. 3095. For 16 $3\frac{1}{2} \times 2\frac{1}{2}$ in. prints .. 6d.

Galway

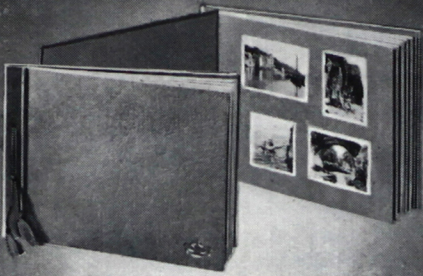
Contains 16 transparent (clear as glass) pockets. 32 prints can be inserted back to back, two in each of the pockets. Bound in flexible leather cloth with tooled edges and tuck-in gusset. Size of pocket $3\frac{1}{2} \times 2\frac{1}{2}$ in. No. 3058. For $3\frac{1}{2} \times 2\frac{1}{2}$ in. prints .. 9d.

ENSIGN PRINT-NEG ALBUM

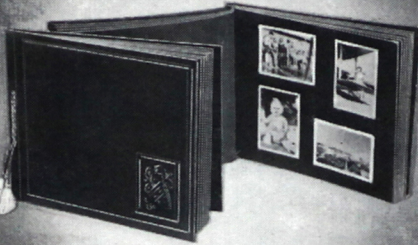
A very practical idea for storing miniature pictures and negatives together. The negative is held in a pocket behind the print. For Ensign Midget, $\frac{1}{2}$ V.P., Leica and all smaller negatives. Each Album takes 6 Prints and Negatives. No. 3013. Book Box with 6 Leatherette cover albums 2/-

ENSIGN

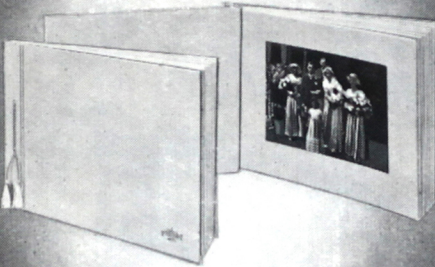
"Paste-on" ALBUMS



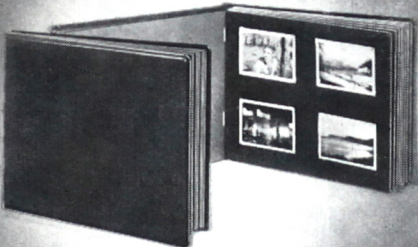
POPULAR



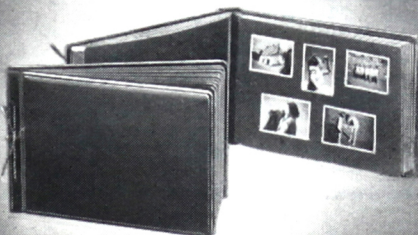
NUBIAN



WEDDING



SELFIX



NEW ZULU

POPULAR

The very thing for holiday snapshots. Available in 5 colours. Contains 12 stout grey leaves, with a strong cover bound with attractive silk cord. The cover is available in a variety of brightly coloured boards, most catching to the eye. Accommodates at least 96 $3\frac{1}{4} \times 2\frac{1}{4}$ in. prints.

Size $9\frac{1}{2} \times 7\frac{3}{8}$ in. 1/-

NUBIAN

Most popular. Flexible covers, with 12 black art leaves. Silk cord and tassel.

No. 3051. Size $7 \times 6\frac{1}{2}$ in. ... 1/3

No. 3052. Size $8\frac{1}{4} \times 8$ in. ... 1/6

No. 3053. Size $10\frac{3}{4} \times 9\frac{3}{4}$ in. ... 2/-

WEDDING

Specially designed for wedding pictures, or records of similar importance. Contains 8 substantial cream leaves $11\frac{1}{2} \times 10$ in., with stiff cream cover, secured with a silk cord. The cover is blocked in silver with a simple design.

No. 3104. Size $11\frac{1}{2} \times 10$ in. ... 2/6

SELFIX

The leaves are "wired-in" in an entirely novel way, which ensures that the album will lie perfectly flat when open. 20 stout rich black art leaves. The covers are extra stout and are faced with bright black reeded rexine.

No. 3088. Size 10×8 in. ... 3/6

No. 3089. Size 12×10 in. ... 5/-

NEW ZULU

A very fine album with black full-bound padded covers and 50 detachable leaves, $10\frac{1}{2} \times 7\frac{1}{2}$ in. Strong metal binding posts, held in position by neat black cord.

No. 3066. Size $10\frac{1}{2} \times 7\frac{1}{2}$ in. ... 4/6

Extra leaves, per dozen, 1/-

ENSIGN

"Paste-on" ALBUMS

GARRICK

Choice of 5 colours. Most luxurious in appearance. Full bound, with padded covers of extra stout material. 25 detachable grey leaves mounted on to coin posts with heavy deep flanges so that nothing protrudes on the cover.

Colours—GREY, BROWN, GREEN, BLUE, RED.
No. 3098. Size $9\frac{1}{2} \times 8$ in. ... 5/-

Spare leaves, per dozen, 2/3
No. 3099. Size $10\frac{3}{8} \times 10$ in. ... 7/6

Spare leaves, per dozen, 3/-
Complete with coloured gift box.

Also made in $13\frac{1}{2} \times 12$ in. size for commercial use, with grey cover.

No. 3100. Size $13\frac{1}{2} \times 12$ in. ... 11/6
Spare leaves, per dozen, 4/-

DURBAN

With 36 double-weight art paper leaves. Heavy-weight, durable black covers on pillars, held securely together by metal bar. A strong, serviceable album.

Style I. Cream leaves. Style II. Grey leaves.
Style III. Black leaves.

Spare leaves per doz.

No. 1600. Size $7\frac{1}{4} \times 6$ in. ... 6/- 1/6

No. 1601. Size $9\frac{1}{4} \times 8$ in. ... 8/- 2/-

No. 1602. Size $11\frac{3}{8} \times 10$ in. ... 10/6 3/-

No. 1603. Size 15×12 in. ... 15/- 4/-

SAHARA

A really beautiful and distinctive album, with padded covers of natural colour canvas, edged with brown pluvisin. Full bound. The 25 cream leaves are securely held in place by strong hook and pillar fittings.

No. 3102. Size $9\frac{3}{4} \times 8$ in. ... 6/6

LAGOON

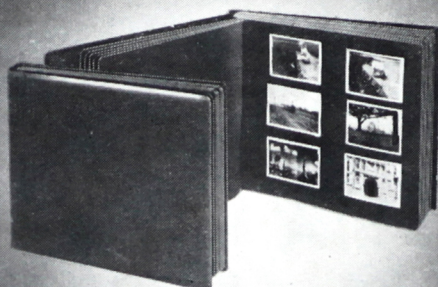
Covered with bexoid, a strong transparent material which will stand any amount of hard wear. Beneath the bexoid is attractive blue material, and the covers are edged with blue pluvisin. The covers are padded and full bound. Fitted with 25 cream leaves, securely held in place by strong hook and pillar fittings.

No. 3103. Size $9\frac{3}{4} \times 8$ in. ... 8/6

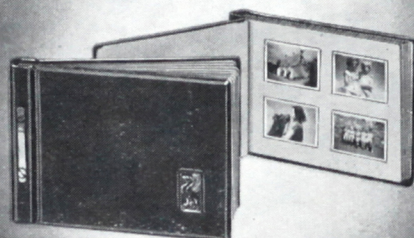
ROVER

An album on the grand scale, for its page size is $13\frac{1}{2} \times 8\frac{3}{8}$ in. Admirably suited for cruise pictures, and similar records of an extended holiday. Most attractively covered in blue pluvisin which will give hard wear, and is equipped with 30 stout grey leaves, which can be easily removed for dry mounting.

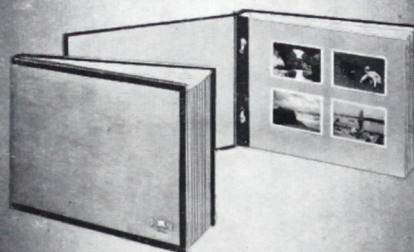
No. 3105. Size $13\frac{1}{2} \times 8\frac{3}{8}$ in. ... 10/6



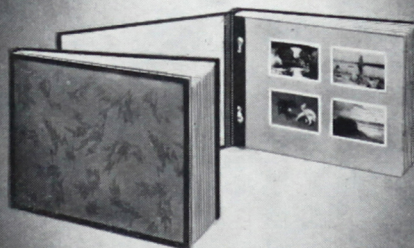
GARRICK



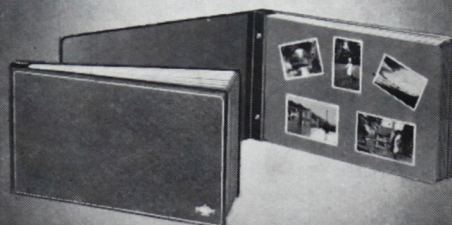
DURBAN



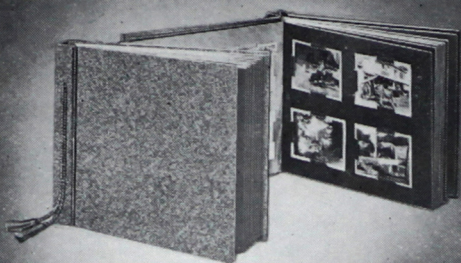
SAHARA



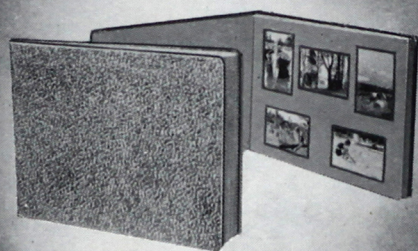
LAGOON



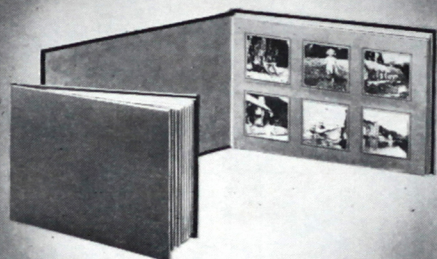
ROVER



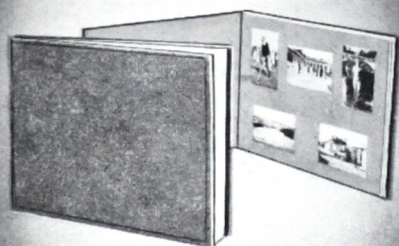
GLENJO



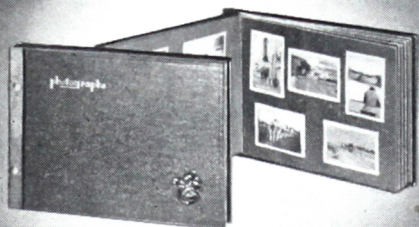
GRANITE



TWO-TWENTY



GOLIATH



GLENCOE

ENSIGN

"Slip-in" ALBUMS

GLENJO

A PATENT ALBUM MADE ON AN ENTIRELY NEW PRINCIPLE

The prints slide easily into specially constructed grooved slits on the top of the leaves, and yet are securely held in place. Can be converted into a paste-on album, if desired. Contains 20 double-over pages, each for four $3\frac{1}{4} \times 2\frac{1}{4}$ in. prints. Stout silver granular cover, bound with silk cord and tassels.

No. 3096. For 80 $3\frac{1}{4} \times 2\frac{1}{4}$ in. prints ... 2/6

GRANITE

Strongly bound in granite marble-relief enamel cover. 8 leaves each with upright and oblong openings with an art printed picture border. Brown leaves.

No. 3025. For 80 $3\frac{1}{4} \times 2\frac{1}{4}$ in. prints ... 2/6

TWO-TWENTY

A neat slip-in album to take prints of the popular $2\frac{1}{4} \times 2\frac{1}{4}$ in. size. Six openings on each of the 16 pages—accommodation for 96 prints in all. Grey leaves embossed with a neutral colour, strongly bound in black pluviusin.

No. 3110. For 96 $2\frac{1}{4} \times 2\frac{1}{4}$ in. prints ... 2/6

GOLIATH

A large capacity album at a low price. Bound on stout boards covered in embossed antique leather cloth. Slip-in openings, spaced upright and oblong. Five on a page. Brown leaves.

No. 3050. For 200 $3\frac{1}{4} \times 2\frac{1}{4}$ in. prints ... 3/6

GLENCOE

Black art cloth full bound. Dark grey leaves. Five openings on page for upright and oblong photographs. Is of expanding type built into cover on nickel coin posts and holds 14 leaves, expanding to add 6 additional leaves if desired.

No. 3060. For 140 $3\frac{1}{4} \times 2\frac{1}{4}$ in. prints ... 6/6

Extra leaves, per dozen, 3/9



NUACE

The ORIGINAL and BEST MOUNTING CORNERS
A NUACE corner is secured to each corner of the print by turning the corners and damping them. You then moisten the four corners of print and gently press into album. In Sepia, Grey, White, Black, Silver, Gilt, Red, Green.
Packet of 100 corners (gilt and silver 60 only) 6d.

Transparent NuAce Corners

The whole surface of the picture mounted always at view. Can also be used for newspaper cuttings, postage stamps or Air Mail covers.
Per packet of 80 corners 6d.

ENSIGN MOUNTING STAMPS

A stamp damped on one side is placed in each corner at back of print, then the other side of stamp is damped and pressed into contact of album or mount. Pad of 288 perforated stamps .. 3d.

"CLUB" PHOTOGRAPHER MOUNTINGS

Flexible linen-faced mounts in the standard sizes accepted by exhibition committees.

Style I Front—Fawn.	Back—Cream.
Style II. Front—Grey.	Back—White.
Size 10 x 8.	Per packet of 10 .. 1/6
" 12 x 10.	" " " .. 2/-
" 15 x 12.	" " " .. 3/-
" 20 x 15 1/2.	" " " .. 5/6
" 24 x 19.	" " " .. 10/-

"ECONOMIC" FLEXIBLE MOUNTING PADS

A series of art boards made up into perforated pads—convenient for use and containing 12 assorted sheets (4 black, 4 cream, 4 white). Also available in cream or white only.

Also available in Cream or White Only.					
Style A—Assorted.		Style B—Cream.			
		Style C—White.			
No. 1.	Size 10 × 8	..	..	..	1/-
No. 2.	.. 12 × 10	..	..	..	1/6
No. 3.	.. 15 × 12	..	..	..	2/-

INTERLEAVING TISSUE

For protecting prints and enlargements when mounted in an album. 50 sheets in each packet.

For leaves size	Per pkt.	For leaves size	Per pkt.
8 x 6 in.	.. 1/-	12 x 10 in.	.. 2/-
10 x 8 in.	.. 1/6	15 x 12 in.	.. 2/6



"SNAPSCOPE" PICTURE VIEWERS

Ideal for viewing colour pictures. Gives an enlarged and stereoscopic rendering. Wood base, suitably covered. For prints up to 5 x 3 in. .. 4/-
De luxe pattern. All wood, polished mahogany finish. Brass fittings. For pictures up to 1 1/2-plate .. 10/6

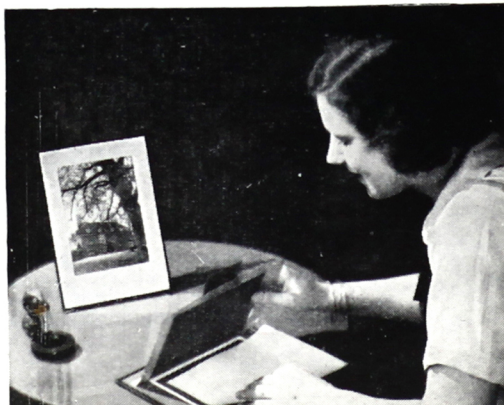
PASSE-PARTOUT FRAMES

Artist	Upright	Oblong	
For prints	No.	No.	Price
Post card ..	.. 6320	6321	1/6
1/2-plate ..	.. 6328	6329	1/6
1/1-plate ..	.. 6330	6331	2/6
Burlington			
Post card ..	.. 6520	6521	1/6
1/2-plate ..	.. 6528	6529	1/6
Silver Regal			
Post card ..	.. 6720	6721	1/6
1/2-plate ..	.. 6728	6729	1/6

Kwickmount. Black only. For close-up framing of prints. Reversible strut. No. 6151, 3 1/4 x 2 1/2 in., 4 1/2 d. No. 6152, 3 1/4 x 4 1/2 in., 5 1/2 d. No. 6152a, 2 3/4 x 4 1/2 in., 5 1/2 d. No. 6153, Post Card, 6 1/2 d. No. 6153a, 6 1/2 x 4 3/4 in., 10 1/2 d. No. 6154, 8 x 6 in., 1/3.

Silver Kwickmount. As above, but with dull silver binding. No. 6851, 3 1/4 x 2 1/2 in., 4 1/2 d. No. 6853, P.C., 6 1/2 d. No. 6853a, 1/2-plate, 10 1/2 d.

Burlington—Black binding with neat gilt Greek pattern. **Artist**—Black binding only. Dust-proof self-sealing back. **Silver Regal**—Artistic dull silver binding. All complete with mount and strut.



ENSIGN KINECAM

16 mm.

CINE CAMERAS

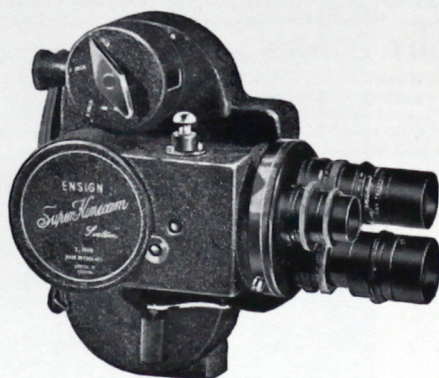
Ensign Kinecam 16 mm. cameras take 50 ft. or 100 ft. of film, and are operated by a double spring clockwork, taking 30 ft. of film without rewinding. A hand turn movement is also provided, which is reversible for "dissolving" effects, and the exposure knob can be locked in the operating position for continuous running. The Direct Vision Tube Finder gives an exceptionally brilliant image of the same size as the picture taken.

A direct vision view finder is also placed on the lid in the direct axis of the lens, enabling accurate centring to be obtained for very close-up shots down to 1 ft. from the camera.

MODEL 6

Has three speeds—"Normal," "Slow Motion," "Slow," the relative exposures being: $1/32$, $1/128$, and $1/16$ of a second respectively.

Dallmeyer Anastigmat f/2.9, 1 in. focus	...	...	...	...	£18 18 0
Dallmeyer Anastigmat f/1.5, 1 in. focus	...	...	...	...	25 0 0

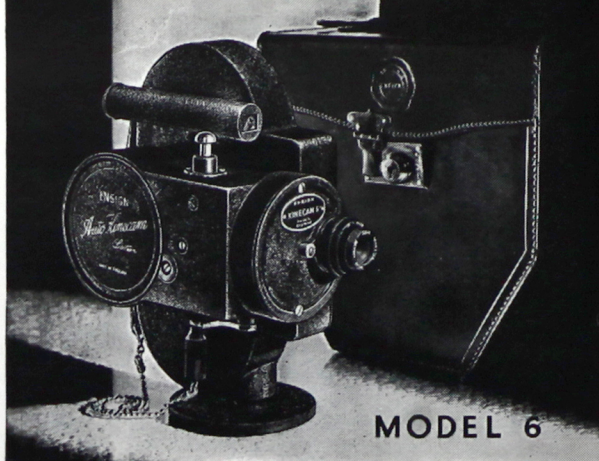


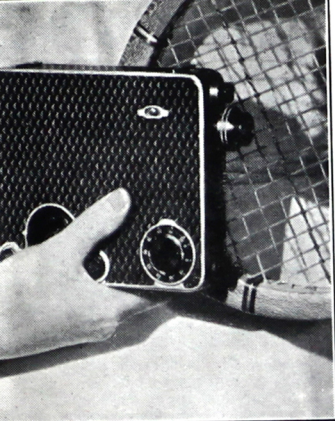
MODEL 8

Has all the features of the Model 6, and in addition is fitted with a triple revolving turret head, capable of taking any three lenses of different focus. Multi-speed mechanism with five speeds, i.e., 8, 12, 16, 32, and 64 pictures per second, including "slow motion." Patent tri-optic synchronising view finder.

Dallmeyer Speed Anastigmat f/1.5, 1 in. focus	...	...	...	£39 15 0
---	-----	-----	-----	----------

All prices complete with hand-sewn leather cases, velvet-lined.





ENSIGN **SIMPLEX POCKETTE** **16 mm. CINE CAMERA**

A marvellously compact camera which fits comfortably into the pocket or can be carried as easily as a book; the size is $1\frac{3}{4} \times 4\frac{1}{4} \times 5\frac{1}{4}$ in. and it only weighs 35 oz. Loading is a matter of seconds—a charger containing 50 ft. of film is inserted in the camera and engages automatically with the mechanism. No threading. The film can be removed when partly exposed, if desired. The motor runs 25 ft. at one winding, and there is a footage indicator, with dial control, which stops the mechanism automatically when a predetermined footage has been run. Exposure trigger can be set to give continuous running or single frame exposures. Speeds of 16 and 12 frames a second. Folding direct vision and waist-level finders. Exposure guide fitted to camera. Covered in black diamond patterned fabric. Leather carrying handle. Tripod bush.



Ensar	f/3.5	1 in. fixed focus	...	...	...	£20	0	0
Dallmeyer	f/2.9	1 in. in focussing mount	...	...	...	25	0	0
Ross	f/1.9	1 in. in focussing mount	...	...	...	27	10	0

FILM. Chargers loaded with 50 ft. of 16 mm. film:—

Panchromatic	..	..	..	..	..	..	..	..	16/-
Supersensitive Panchromatic	..	..	..	..	..	..	..	..	19/6
Kodachrome Colour Film	..	..	..	..	..	..	..	..	24/6

(Prices include processing).

ENSIGN SIMPLEX POCKETTE **TRAVEL OUTFITS**

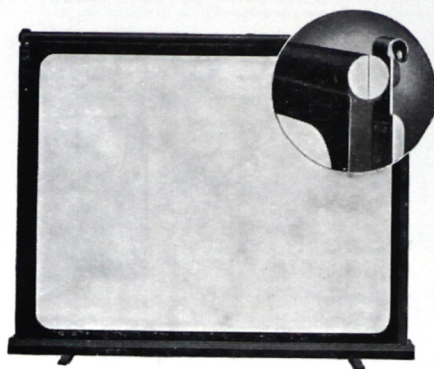
Any of the three Ensign-Simplex Pockette Cameras can be supplied in a specially fitted travel case of natural colour leather, hand-sewn, and velvet-lined, with a special drawer containing Telephoto Lenses, colour filters for each lens, portrait attachment and masks for view finder. There is accommodation for two extra film chargers. The carrying case is fitted with lock and key, carrying handle and shoulder straps.

With Ensar f/3.5 Model and Dallmeyer 2-in. f/2.9 and 3-in. f/3.5 Telephoto Lens, with masks, 2X and 4X Colour Filters for each lens and portrait attachment	£44	17	6
With Dallmeyer f/2.9 Model and as above outfit but without portrait attachment	49	5	0
With Ross f/1.9 Model and as above outfit but without portrait attachment	50	15	0



ENSIGN CINE ACCESSORIES

16 mm., 9.5 mm., 8 mm.



"POPULAR" SILVER SCREEN

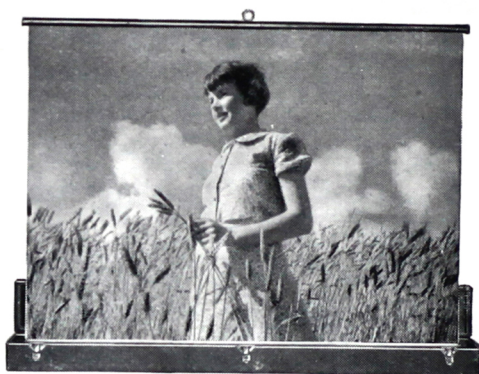
HANGS, STANDS, AND ROLLS AWAY
Designed to give a perfectly flat screen surface when erected and yet is so constructed that it is a simple matter to erect and put away. The material is mounted on a roller and baton of suitable dimensions for each size screen with side stretchers which enable the correct tension of the screen material to be accurately obtained. There are three ways of hanging these screens, either by two grappling hooks which enable the screen to be hung from a picture rail and which also contain holes so that the screen may be suspended by a cord; or alternatively direct from two nails or hooks. Another unique feature for a roller screen is the provision of two feet enabling the screen to be stood on a table as well as hung, or a pair of Floor Stands is available at slight extra cost.

					Screen	Carrying Case for Screen
No. 21.	32×24 in. ...	...	...	...	27/6	6/-
No. 22.	40×30 in. ...	...	...	...	35/-	7/-
No. 23.	52×40 in. ...	...	...	...	50/-	8/-
Floor Stand (all sizes)					17/6	

CARBINE PORTABLE GLASS BEADED SCREEN

The surface of this screen is sprayed with tiny glass beads, producing a brilliant picture without causing the slightest eye-strain. Contained in a strong but light carrying box, it can be erected in a minute—first open the lid, draw out the screen and it snaps into position. An even tension on the rollers produces a perfectly flat screen surface. To lower the screen is just as simple, pull the cord provided and lower gently back into the box. The box is covered in a black grained cloth of serviceable quality, enhancing the appearance of the screen.

No. 202.	40×30 in.	£4 15 0
No. 203.	52×40 in.	£6 15 0



CINE-PAN TRIPOD

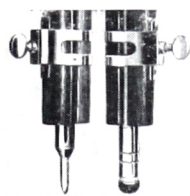
The top plate is hinged and the camera can be fixed at right angles for floor "shots"; also panoramas a complete circle, and elevates to 150 degrees. Top leg sections, fashioned oak, lower sections of steel tube, chromium-plated. Height fully extended, approximately 5 ft., closed 2 ft. 9 in. One of the steel legs accommodates a wire bracing arrangement. The lever control is permanently attached by a knuckle joint, and folds down when the tripod is closed, and contains adjusting spanners. One end of each leg is provided with a spike for use on rough ground. The other end has a rubber buffer for use on slippery floors.

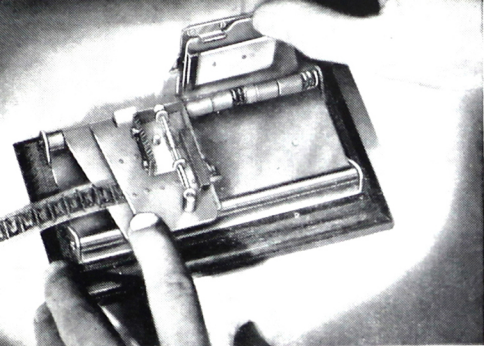
£7 15 0

FORM YOUR OWN LIBRARY

FILMS FOR SALE. A large selection of Ensign Films (both 16 mm. and 8 mm.) is available for purchase at prices varying according to length, including MICKEY MOUSE, DONALD DUCK and SILLY SYMPHONIES.

FILMS FOR HIRE. The ENSIGN FILM LIBRARY includes many films for hire, featuring well-known stars, and a comprehensive catalogue is issued entitled "Pleasure Hours," available free.





ENSIGN CINE ACCESSORIES

16 mm., 9.5 mm., 8 mm.

"UNIVERSAL" FILM SPLICER

for 16 mm. and 9.5 mm.
Silent and Sound, and for
8 mm. Films

The unique feature of the Ensign "Universal" Splicer is the incorporation of a dry scraper so constructed that only the emulsion is removed, the scraper automatically ceasing to function before the base of the film is weakened. A scraping block of hardened steel is provided and the cutting of the two ends of the film is carried out simultaneously, and at the same time as the splice is made, therefore reducing the number of operations required to make a splice to the absolute minimum. Should it become necessary, after excessive use, the scraper and the cutting knife can be adjusted.

Finished in bright chromium plate. Polished oak base.

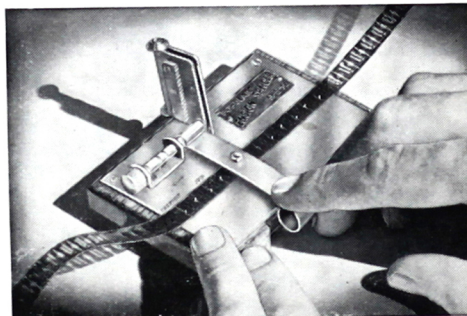
Complete with 1 oz. bottle of Ensign "Universal" Film Cement ... 63/-

"POPULAR" FILM SPLICER

Available in three models: 16 mm.,
9.5 mm. and 8 mm.

Fitted with an accurately ground and hardened steel scraper, film shearing lever and an efficient pressure pad, makes joining a quick and simple operation. Dull nickel-plated and mounted on a polished wood base. Complete with 1 oz. bottle of Ensign "Universal" Film Cement.

For 16 mm. films (silent or sound)	17/6
For 9.5 mm. films	17/6
For 8 mm. films	17/6



"UNIVERSAL" FILM EDITOR

A highly polished oak base 32 in. long by 6 in. wide is fitted with two cast arms each consisting of a hand crank, geared 3—1 to a common spindle into which may be fitted any of the three interchangeable reel spindles required for the different sizes of film. Base curved at ends. Height of arms from the base allows for the use of 800 ft. 16 mm. reels.

Complete with Ensign "Universal" Splicer and 1 oz. bottle of Ensign "Universal" Film Cement:

MODEL D For 16 mm. reels ..	£6 3 0
" E For 9.5 mm. reels ..	6 3 0
" F For 8 mm. reels ..	6 3 0
Any of the above Models can be supplied without Splicer ..	3 0 0
Spare sets of spindles for 16 mm., 9.5 mm. or 8 mm. reels ..	per pair 5 0

EXTENSION PEDESTAL

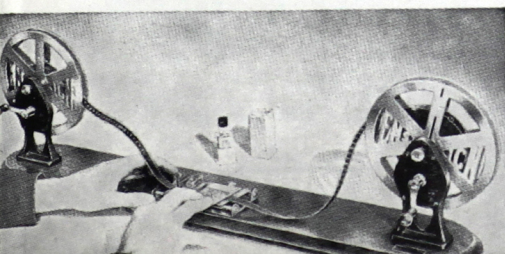
By placing the extension pedestal between the baseboard and each arm of the "Universal" Editor 1,600 feet reels can be accommodated.

Finished in brown ripple enamel and complete with fixing screws .. per pair £1 7 6

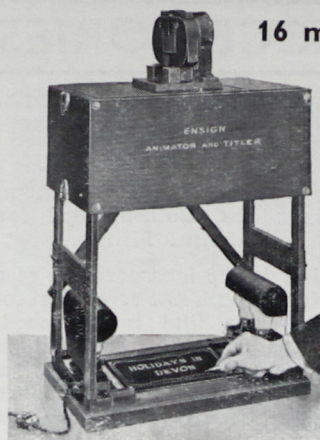
"POPULAR" FILM EDITOR

Two arms, each consisting of a hand crank, are geared 3—1, and fitted to a 20 in. long by 5 in. wide polished stained base, which has been designed with curved ends to avoid the film catching on the corners when stopped for examination. Complete with Ensign "Popular" Film Splicer, and 1 oz. bottle of Ensign "Universal" Film Cement:—

For 16 mm. reels	£2 2 6
For 9.5 mm. reels	2 2 6
For 8 mm. reels	2 2 6
Any of the above Models can be supplied without Splicer ..	1 5 0



ENSIGN CINE ACCESSORIES

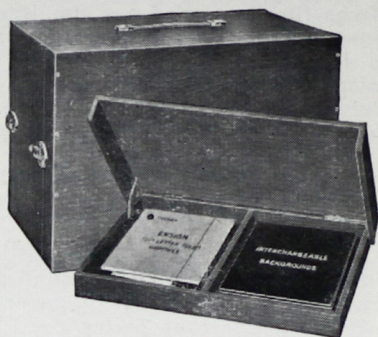


16 mm., 9.5 mm., 8 mm.

ENSIGN ANIMATOR AND TITLER

FOR TITLES AND CARTOONS IN BLACK AND WHITE OR FULL COLOUR.

Designed to give maximum ease and comfort whilst setting up and photographing titles, carrying out animation with figures and drawings, or photographing any suitable object within its range. A self-contained unit, folds away for easy transport and storage, is firm when erected, consistently accurate and simple to operate. Suitable for cameras using 16 mm. film and fitted with a 1-in. lens; 9.5 mm. film with a 1-in. or 20 mm. lens; 8 mm. film with a 12.5 mm. or 13.5 mm. lens.



The outfit includes complete set of CAPITALS and LOWER CASE white felt letters, reversible black/white flock lined title background, background cover glass, tweezers and set-square for alignment and setting of the letters, all of which are stored in a special detachable box.

Complete outfit with panel for Ensign Kinecam or Simplex cameras, but without lamps £6 17 6

When the outfit is required for use with cameras other than Ensign Kinecam or Simplex the camera should always be sent for fitting. There is an extra charge on the above price of £1 2s. 6d.

INTERCHANGEABLE PANELS

For Kinecam and Simplex Cameras	12/6 each
For other makes of Cameras	35/- each

HUMITIN CARRYING BAGS

Made of grey canvas of a lasting quality, with waterproof bottom reinforced with wood. The handle is bound in leather and a zip fastener facilitates the easy removal of the tins. Prices without Humitins:—

TYPE "A"

To hold six 16 mm., seven 9.5 mm. or seven 8 mm. 400 ft.

Humitins 11/6

TYPE "B"

To hold ten 16 mm., twelve 9.5 mm. or twelve 8 mm. 400 ft. Humitins

15/-

TYPE "C"

To hold twelve 8 mm., eight 9.5 mm. or eight 16 mm. 200 ft. Humitins

7/6



PROJECTOR REELS

The end of the film is placed over the core of the reel, and a spring clip is brought down, holding it securely in place. Made of aluminium. Equipped with footage indicator.

400 ft.—16 mm. .. 3/6	9.5 mm. .. 3/6	8 mm. .. 3/6
200 ft.—16 mm. .. 2/6	9.5 mm. .. 2/6	8 mm. .. 2/6

HUMITINS

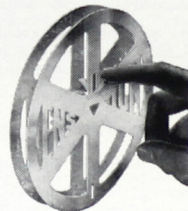
With embossed rims, efficient air trap, easily removable lid, and with white title strip, complete with absorbent pad for damping.

400 ft.—16 mm. .. 1/6	9.5 mm. .. 1/6	8 mm. .. 1/6
200 ft.—16 mm. .. 1/6	9.5 mm. .. 1/6	8 mm. .. 1/6

ENSIGN "UNIVERSAL" FILM CLIPS

Made of spring steel aluminium finished, to hold 16 mm., 9.5 mm., and 8 mm. films secure on all sizes of reels from 100 ft. to 400 ft.

Per box of 12	2/6
-----------------------	-----



ENSIGN FILMS

POPULAR SIZES (8 exposures).

For Cameras	Size of Picture Inches	Ensign Ortho. 27° Sch.		Ensign Ultrachrome 29° Sch.		Ensign Fine Grain Panchro. 29° Sch.	
		Film No.	Price	Film No.	Price	Film No.	Price
Ensign Midget ... (6 exp.)	1½ × 1½	E10	6d.	EC10	7d.	EFP10	9d.
Ensign Mulex Double-8, Vest Pocket Brownie No. 0, Vest Pocket Kodak	1½ × 2½	E27	1/-	EC27	1/2	EFP27	1/6
Ensign "E29" ... (6 exp.)	2 × 3	E29	10d.	EC29	1/-	—	—
Ensignette No. 2 ...	...	...	...	...	...	...	...
All Ensigns 2½B; Ensign E-20; All- Distance; Pocket-20; Selfix-20, 320, 220 and 420; Autorange-20 and 220; Auto-speed; Film Reflex; J.B.; Ful- Vue; Cupid; Carbines 3, 4, 5, 6 and 7 Brownies, No. 2. Kodaks, No. 1	2½ × 3½	E20	1/-	EC20	1/2	EFP20	1/6
"620" Kodaks and Brownies ...	2½ × 3½	E62	1/-	EC62	1/2	EFP62	1/6
All Ensigns 2½ ...	...	...	...	...	...	...	...
Ensign Carbine, Nos. 10, 12 and 14 ...	2½ × 4½	E16	1/3	EC16	1/6	EFP16	1/9
Brownies, No. 2A—Kodaks, No. 1A ...	...	...	...	...	...	...	...

OTHER SIZES (6 exposures)

Ensignette No. 1 ...	1½ × 2½	E28	10d.	—	—	—	—
Ensignette Junior 2J ... (7 exp.)	2½ × 3½	—	1/-	—	—	—	—
Pocket Kodak ... (12 exp.)	1½ × 2	E02	1/3	—	—	—	—
F.P.K. No. 0 ...	1½ × 2½	E21	10d.	—	—	—	—
Box Ensign 2½A. Brownie No. 1 ...	2½ × 2½	E17	10d.	—	—	—	—
F.P.K. No. 1 ...	2½ × 3½	E05	1/-	—	—	—	—
Ensign 2½, Brownies and Kodak No. 2C ...	2½ × 4½	E30	2/-	—	—	—	—
Ensign 3½, Kodak No. 3 ...	3½ × 4½	E18	2/-	—	—	—	—
Ensign 3½A. Kodak No. 3A ...	3½ × 5½	E22	2/6	—	—	—	—
Brownie No. 3 ...	3½ × 4½	E24	2/-	—	—	—	—
Bull's Eye No. 2 and F.P.K. No. 2 ...	3½ × 3½	E01	1/6	—	—	—	—
Bull's Eye No. 4 ...	4 × 5	E03	2/6	—	—	—	—
F.P.K. No. 4 ...	4 × 5	E23	2/6	—	—	—	—
Cartridge Kodak No. 3 ...	4½ × 3½	E19	2/-	—	—	—	—
Kodak No. 4A ...	4½ × 6½	E26	3/6	—	—	—	—
Cartridge Kodak No. 4 ...	5 × 4	E04	2/6	—	—	—	—
Cartridge Kodak No. 5 ...	7 × 5	E15	4/-	—	—	—	—

FILM-PACKS (12 exposures only)

Ordinary : Agfa Isorapid, Zeiss Ikon and Gevaert. **Ortho :** Selochrome and Agfa Isochrom, Zeiss Ikon Pernox, Gevaert Superchrom. **Panchromatic :** Agfa and Selo Hypersensitive.

	ORDINARY.			ORTHO.				PAN.		
	Agfa	Gevaert	Zeiss Ikon	Agfa Isochrom	Gevaert Superchrom	Selo-chrom	Zeiss Pernox	Isopan I.S.S.	Isopan	SELO Hyper-sensitive
2½ × 1½ ...	2/-	2/-	2/-	2/3	2/3	2/3	2/3	—	3/-	3/-
4.5 × 6 cm. ...	—	—	—	—	—	—	—	—	—	—
3½ × 2½ ...	2/8	2/8	—	2/11	2/11	2/11	2/11	4/-	4/-	4/-
6 × 9 cm. ...	—	—	2/8	—	—	—	—	—	—	—
4½ × 2½ ...	—	—	—	—	3/6	—	—	—	—	—
4½ × 3½ ...	4/6	4/6	—	5/-	5/-	5/-	5/-	6/3	—	6/3
8 × 10.5 cm. ...	—	—	4/6	—	—	—	—	—	—	—
4.5 × 10.7 cm. ...	—	—	—	3/-	—	—	—	—	—	—
6 × 13 cm. ...	—	3/-	—	3/4	—	—	—	—	—	—
9 × 12 cm. ...	5/3	5/3	—	5/9	5/9	5/9	5/9	7/3	—	7/3
4½ × 3½ ...	—	—	5/3	—	—	—	—	—	—	—
5½ × 3 ...	—	—	—	—	6/-	—	—	—	—	—
5½ × 3½ ...	—	—	—	6/4	6/4	—	—	—	—	—
5 × 4 ...	—	—	—	—	6/4	—	—	—	—	—
10 × 15 cm. ...	7/-	7/-	—	7/9	7/9	7/9	—	—	—	9/6
6½ × 4½ ...	—	—	—	10/-	10/-	—	—	—	—	—
7 × 5 ...	—	—	—	11/-	—	—	—	—	—	—

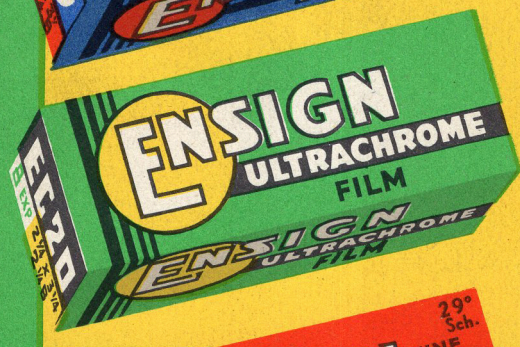
Ensign

FILMS FOR BETTER SNAPS



ORTHO

Brighter days
bring out its best



ULTRACHROME

For dull or bright days
always right



PANCHROMATIC

For true colour values
in any light -
indoors as well - and
Fine grain means
fine enlargements

Made in England