

# BARGAINS

## Central Camera Co.

PHOTOGRAPHIC HEADQUARTERS

230 South Wabash Avenue  
Chicago : : Illinois

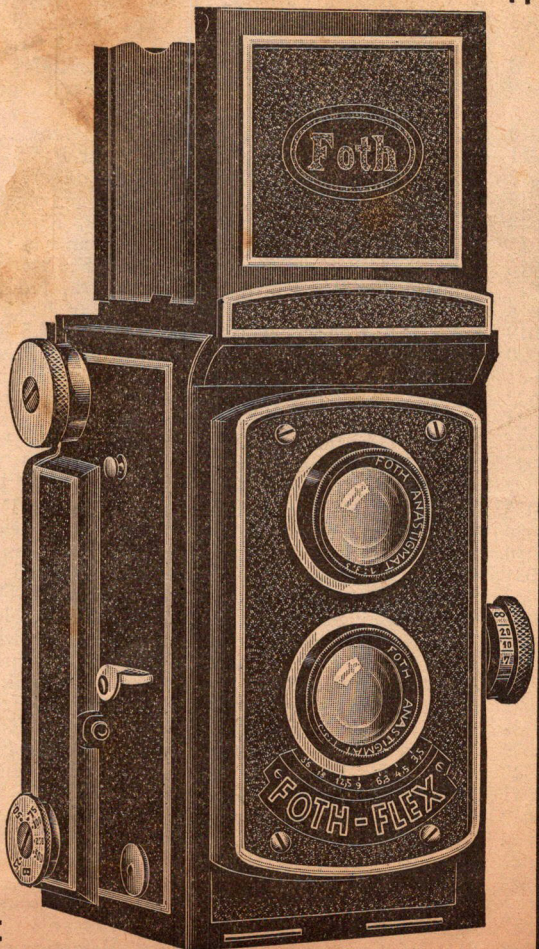
64  
PAGES

of

PHOTOGRAPHIC  
SUPPLIES

and

USED  
CAMERA  
BARGAINS





# BARGAINS IN USED CAMERAS AND EQUIPMENT

## IMPORTANT NOTICE

We have classified our used Cameras, Kodaks and lenses in two groups: P.1 signifies practically new and S.H. signifies second hand. The first applies to outfit which have been used slightly and which can scarcely be told from new—the second applies to outfits which have been used considerably but are in perfect working condition.

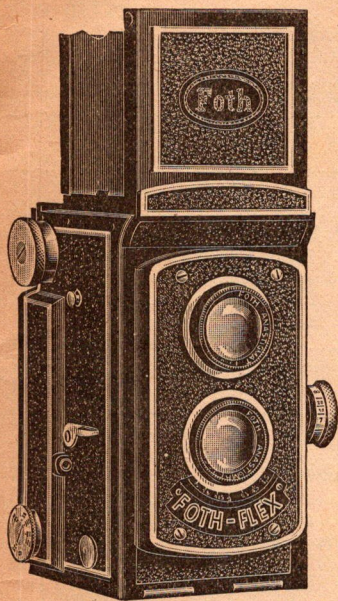
### Graflex and Focal Plane Cameras

6000	4x5 Graflex R. B. Series B Camera, Kodak F:4.5 lens	\$ 69.50	S.H.
6001	3¼x4¼ Popular Pressman Camera, Tessar F:4.5 lens	47.50	P.N.
6002	2¼x2¼ Rolleiflex Camera, Tessar F:4.5 lens with case	57.50	P.N.
6003	2¼x3¼ Graflex R. B. Ser. B Camera, Kodak F:4.5 lens	49.50	P.N.
6004	1½x2½ Exakta Camera, Tessar F:2.8 lens with case	59.50	P.N.
6005	2½x4¼ National Graflex Camera, Tessar F:3.5 lens	47.50	P.N.
6007	2¼x2¼ Rolleiflex Camera, Tessar F:3.8 lens with case	49.50	S.H.
6008	2¼x3¼ Graflex R. B. Ser. B camera, Kodak F:4.5 lens	44.50	S.H.
6009	K 5 Aero Camera with 1 12-inch Goerz Celor F:5.5, 1 Mapping support (complete)	195.00	P.N.
6010	1½x2½ No. 0 Graphic camera, F:6.3 lens	14.50	S.H.
6011	3¼x4¼ Ibsco Reflex Camera, Tessar F:4.5 lens	39.50	S.H.
6012	5x7 Contessa Nettel Camera (Box only)	47.50	P.N.
6013	5x7 Stereo Graflex Camera, IIB Tessar lenses	127.50	P.N.
6014	4x5 Graflex R. B. Series B Camera, Kodak F:4.5 lens	79.50	P.N.
6015	5x7 Home Portrait Graflex, 9¼ Tessar F:4.5 in Betax shutter	167.50	P.N.
6016	1½x1½ Rolleiflex Camera, Tessar F:3.5 lens with case	47.50	S.H.
6017	3¼x4¼ Graflex R. B. Ser. B camera, Kodak F:4.5 lens	59.50	S.H.
6018	3¼x4¼ Auto Graflex Camera, Tessar F:4.5 lens	47.50	S.H.
6019	5x7 Graflex Series B. Camera, Kodak F:4.5 lens	119.50	P.N.
6020	1½x2½ Exakta Camera, F:3.5 Schneider Xenar lens	49.50	P.N.
6021	2¼x2¼ Graflex Jr. Camera, Tessar F:4.5 lens	42.50	P.N.
6022	3¼x4¼ Popular Pressman Camera, Aldis F:4.5 lens	39.50	S.H.
6023	5x7 Contessa Nettel Camera, with F:4.5 Tessar lens	87.50	P.N.
6024	2¼x3¼ Thornton Pickard Camera, Cook F:4.5 lens	49.50	P.N.
6025	9x12 CM Mentor Reflex Camera, (Box only) out of order	12.50	S.H.
6027	3¼x4¼ R. B. Auto Graflex Camera, Graf F:3.8 lens	97.50	P.N.
6028	6½x9 CM Mentor Reflex Camera, Tessar F:2.7 lens	74.50	P.N.
6029	4x5 Telematist Graflex camera, 28 inch Telegigmat lens	197.50	P.N.
6030	1½x1½ Rolleiflex Camera, Tessar F:2.8 lens with case	69.50	P.N.
6031	4x5 Graflex Series B Camera, Kodak F:4.5 lens	54.50	P.N.
6032	3¼x4¼ Auto Graflex Camera, Wollensak F:6.3 lens	37.50	S.H.
6033	4x5 Graflex Series B Camera, Kodak F:4.5 lens	67.50	P.N.
6034	2¼x3¼ Graflex Jr. Camera, Cooke F:4.5 lens	47.50	P.N.
6035	1½x1½ Rolleiflex Camera, Tessar F:3.5 lens, with case	64.50	P.N.
6036	3¼x4¼ Graflex R. B. Ser. B Camera, Kodak F:4.5 lens	69.50	P.N.
6037	3¼x4¼ Series B Graflex camera, Kodak F:4.5 lens	57.50	P.N.
6038	3¼x4¼ Telescopic Graflex R. B. camera, Kodak F:4.5 lens	57.50	P.N.
6039	3¼x4¼ Graflex Series D Camera, Kodak F:4.5 lens	76.50	P.N.
6040	2¼x2¼ Rolleiflex Camera, Tessar F:3.8 lens with case	67.50	P.N.
6041	5x7 Graflex Series B Camera, Kodak F:4.5 lens	97.50	S.H.
6042	5x7 Press Graflex Camera, (Box Only)	76.50	P.N.
6043	3¼x4¼ Graflex Series B Camera, Kodak F:4.5 lens	49.50	S.H.
6044	3¼x4¼ Telescopic Graflex R. B. Camera, Tessar F:4.5	67.50	P.N.
6045	4x5 Graflex Series D Camera, Schneider Xenar F:3.5 lens	109.50	P.N.
6046	1½x1½ Pilot Camera, F:2.9 Tessar in compur shutter	47.50	P.N.
6047	4x5 Telescopic Graflex Camera, Tessar F:4.5 lens	74.50	S.H.
6048	3¼x5½ Speed Graphic Camera, Velostigmat F:4.5 lens	59.50	P.N.
6049	5x7 Home Portrait Graflex Camera, Tessar F:4.5 lens	197.50	P.N.



# FOTH-FLEX

## THE REFLECTING CAMERA WITH MATCHED LENSES



**\$67<sup>50</sup>**  
**COMPLETE**

A REFLECTING CAMERA focusing through a matched F:3.5 Foth Anastigmat Lens identical to the one used for taking the picture. Looking into the focusing hood you see the picture,

clear, full size, right side up, before and during the exposure. The reflecting feature eliminates guess work, assuring perfect composition and gives you action pictures and fleeting expressions with ease and certainty.

2 $\frac{1}{4}$  x 2 $\frac{1}{4}$  PICTURE SIZE, 12 pictures on regular 120 roll film.

AUTOMATIC FILM COUNTING DEVICE, the film being wound until the figure "1" appears in the red window, and then the automatic counter registers the exposures.

LENS EQUIPMENT consists of 2 matched, highly corrected F:3.5 Foth An-

astigmats. One of these lenses is used for focusing, and the other for taking the picture. Being perfectly aligned the lenses assure a picture identical with the one visible on the ground glass. The speed of these lenses, F:3.5, permits picture taking under adverse lighting conditions. Enlargements to any desired size are a reality because of the fine quality of these lenses.

THE SELF-TIMING FOCAL PLANE SHUTTER has speeds of 1/25, 1/50, 1/100, 1/200, 1/500 and bulb exposure. This wide range of speeds combined with the ability of the focal plane shutter to utilize the maximum amount of light assures superior results. The delayed action self timing device, permits the operator to get in the picture himself. Setting the shutter is very simple. The speed indicator knob is lifted and the pointer set opposite the desired speed.

THE FOCUSING HOOD is equipped with a focusing magnifier which can be used to insure absolute needle sharp pictures. The focusing hood automatically springs into place for quick action shots.

ONE PIECE METAL CONSTRUCTION, thus assuring light weight, compactness, and extreme rigidity. Foth-Flex is covered with genuine leather and trimmed with metal.

### ACCESSORIES

- LEATHER CARRYING CASE WITH SHOULDER STRAP .. \$6.00
- PROXAR LENS SET ..... 9.00
- 5X COLOR FILTER ..... 4.50



## Continued—GRAFLEX AND FOCAL PLANE CAMERAS

6050	5x7 Home Portrait Graflex Camera, 12" Velostigmat F:4.5 lens...	176.50	P.N.
6051	3¼x4¼ R. B. Auto Graflex, box only .....	67.50	P.N. <sup>ng</sup> in-ay
6052	3¼x4¼ Graflex Ser. D. Camera, with Tessar F:4.5 lens.....	87.50	P.N. <sup>nd</sup> or. st-
6053	6½x9CM Ernemann Sportsman Camera, F:3.5 Ernon lens.....	64.50	P.N.
6054	1½x1½ Pilot Camera, F:3.5 Tessar lens, compur Shutter.....	49.50	P.N.
6055	9x12CM Zeiss Miroflex Camera, F:2.7 Tessar Lens, case, 3 holders and adapter.....	197.50	P.N. he- al- er ee ly te- nd p- a- oal
6056	4x5 Graflex Ser. D. equipped with Tessar F:4.5 lens.....	97.50	P.N.
6057	3¼x5½ Roll Film Graflex, Velostigmat F:6.3 lens.....	37.50	P.N.
6058	5x7 Press Graflex, with Tessar F:4.5 lens .....	119.50	P.N.
6059	3¼x4¼ R. B. Auto Graflex, with Tessar F:4.5 lens.....	97.50	P.N.
6060	3¼x5½ Speed Graphic, box only .....	27.50	S.H.
6061	9x12CM Zeiss Miroflex Camera, F:4.5 Tessar lens, case, 3 holders and adapter .....	122.50	P.N.
6062	3¼x4¼ Graflex Ser. D. with Kodak F:4.5 lens .....	62.50	S.H.
6063	3¼x5½ Roll Film Graflex, box only, out of order.....	19.50	S.H.
6064	5x7 Speed Graphic, 9¾" Tessar F:4.5 lens, Betax Shutter.....	87.50	P.N.
6065	4x5 Graflex Ser. D. Camera, Kodak F:4.5 lens.....	97.50	P.N.
6066	3¼x4¼ Graflex Ser. D. with F:3.5 Schneider Xenar lens.....	112.50	P.N.
6067	3¼x4¼ R. B. Auto Graflex, Tessar F:4.5 Lens.....	87.50	S.H.
6068	4x5 Speed Graphic, F:4.5 Kodak lens.....	69.50	P.N.
6069	4x5 Speed Graphic, box only.....	59.50	P.N.
6070	3¼x4¼ R. B. Auto Graflex, Velostigmat F:4.5 lens, Betax Shutter..	79.50	P.N.
6071	5x7 Speed Graphic, box only .....	59.50	P.N.
6072	3¼x5½ Roll Film Graflex, box only.....	29.50	P.N.
6073	4x5 R. B. Auto Graflex, Kodak F:4.5 lens .....	97.50	S.H.
6074	6½x9CM Contessa Nettel, F:4.5 Tessar lens .....	44.50	P.N.
6075	3¼x4¼ R. B. Auto Graflex, with Dagor F:6.8 lens .....	79.50	S.H.
6076	4x5 Speed Graphic, box only .....	39.50	S.H.
6077	4x5 RB Auto Graflex, Zeiss Protar F:6.3 lens.....	117.50	P.N.
6078	3¼x5½ Roll Film Graflex, Velostigmat F:4.5 lens .....	44.50	P.N.
6079	5x7 Speed Graphic, box only.....	54.50	S.H.
6080	3¼x4¼ RB Auto Graflex Camera, Velostig. Ser. IV lens in Betax Shutter .....	64.50	P.N.
6081	3¼x5½ Roll film Graflex, Tessar F:4.5 lens .....	54.50	P.N.
6082	4x5 Speed Graphic, F:4.5 Tessar lens.....	74.50	P.N.
6083	4x5 Speed Graphic Camera, F:3.5 Schneider Xenar lens, in Compur Shutter .....	69.50	S.H.
6084	3¼x4¼ Speed Graphic Camera, Tessar F:4.5 lens .....	54.50	P.N.
6085	3¼x5½ Roll film Graflex, Kodak F:4.5 lens .....	47.50	P.N.
6086	3¼x5½ Compact Graflex, box only.....	36.50	P.N.
6087	9x12CM Contessa Nettel Camera, F:4.5 Tessar lens, case, 3 holder, film pack adapter .....	59.50	P.N.
6088	3¼x4¼ Speed Graphic, box only.....	39.50	P.N.
6089	4x5 Speed Graphic Camera, F:4.5 Tessar lens .....	76.50	P.N.
6090	4x5 RB Auto Graflex, with F:6.8 Dagor lens.....	97.50	P.N.
6091	3¼x5½ Compact Graflex, box only .....	27.50	S.H.
6092	3¼x5½ Speed Graphic, with F:3.5 Schneider Xenar, Compur Shutter .....	62.50	P.N.
6093	3¼x4¼ RB Auto Graflex Camera, Velostigmat F:4.5 lens.....	74.50	P.N.
6094	4x5 RB Auto Graflex Camera, Kodak F:4.5 lens.....	110.00	P.N.
6095	2½x4¼ Roll film Graflex, Tessar F:4.5 lens.....	44.50	P.N.
6096	3¼x4¼ Speed Graphic, box only .....	34.50	S.H.
6097	3¼x5½ Compact Graflex, Velostig. F:4.5 Lens.....	59.50	P.N.
6099	9x12CM Contessa Nettel Camera, F:2.7 Tessar lens .....	112.50	P.N.
6099A	3¼x5½ Compact Graflex, Tessar F:4.5 lens.....	64.50	P.N.
6099B	4x5RB Auto Graflex Camera, Tessar F:4.5 lens.....	122.50	P.N.
6099C	2½x4¼ Roll film Graflex, Tessar F:6.3 lens .....	32.50	P.N.
6099D	5x7 Compact Graflex, Kodak F:4.5 lens.....	87.50	P.N.
6099E	3¼x5½ Roll film Graflex, Kodak F:4.5 lens.....	47.50	P.N.
6099F	4x5RB Auto Graflex Camera, box only.....	67.50	P.N.
6099G	6½x9CM Ermanox Camera, with F:1.8 Ernon lens.....	179.50	P.N.
6099H	3¼x5½ Compact Graflex Camera, Velostigmat F:6.3 lens.....	42.50	P.N.
6099J	9x12CM Zeiss Miroflex Camera, with F:3.5 Tessar lens, case, 3 holders and adapter .....	169.50	P.N.



# Pictorial Composition in Photography

By **ARTHUR HAMMOND, A. R. P. S., Associate Editor of American Photography**

The camera demands of its practitioners a somewhat different treatment of pictorial material from that required in the other graphic arts, and this book tells its readers how to see landscapes, figures and other subjects for photography in the special way required to make well-designed pictorial photographs. Not only the pictorial photographer who aspires to make pictures suitable for exhibition needs this book, but every user of the camera, whether amateur or professional, will find that his photographs will be far more attractive to himself and to others if he will but master the principles herein contained.

A detailed summary of the contents is as follows: CHAPTER I—Introductory—How Pictorial Photography has Benefited by the Energy and Enthusiasm of Technical and Scientific Experts—The Need for Sound Technical Knowledge and Training—Composition—The Mechanics of Suggestion—Teaches Economy in the Use of Tones; Teaches What and How to Emphasize; Teaches Appropriate Action Following a Careful Analysis of Impressions—The Limitations in Representation—What is a Picture? CHAPTER II—Spacing—Lines, Horizontal, Vertical, Oblique—Variety of Line—The Triangle—Curved Lines—The S-shaped Curve—The Unseen Line—Balance—Tones—The Characteristic Quality of Photography—Key. CHAPTER III—Mass—Notan—Breadth—Pictorial Balance—The Uncorrected Lens for Pictorial Work—Accent—Figures in Landscapes—Genre. CHAPTER IV—Linear Perspective—Focal Length of the Lens with Relation to the Point of View—Aerial Perspective—The Effect of Atmosphere on the Tones of a Picture—Theory and Practice of Orthochromatic Photography—When to Use a Color Corrected Plate or Film—Full Color Correction Sometimes Unnecessary. CHAPTER V—Simplicity—Sympathy—Restraint—Emphasis. CHAPTER VI—Line Composition Applied to Figure Studies—The Vertical Line—Repetition of Line—The Curved Line—The Lost Edge—The Triangle—The Rectangle—The S-shaped Curve—The Figure 8—The Hands in Portraiture—The Placing of the Head in the Picture Space—Groups—The Background. CHAPTER VII—Tones in Portraiture—Roundness and Solidity Brought out by Lighting—Outdoor Portraits—Sunlight—The Modernistic Trend in Portraiture—Modern Photography—Pattern or Design. CHAPTER VIII—The Definition of Art—Landscape—The Need for Cultivated Good Taste—Picture Making Largely Instinctive—Imagination—The Selection of Suitable Atmospheric Conditions—The Illusion of Relief—The Illusion of Distance—The Illusion of Movement—Underexposure Fatal to Success—Night Photography—Still Life and Flower Studies. CHAPTER IX—The Technique of Pictorial Photography—Developer for Negatives—Intensification and Reduction—Methods of Developing—Printing on Platinum and other Processes—Bromoil—Bromide Enlarging—Mounting and Framing—Retouching—Trimming.

There are forty-eight full-page illustrations carefully selected to bring out the points elucidated in the text. New and completely revised edition. Bound in red cloth.

**PRICE, \$3.50**

## NEWS PHOTOGRAPHY *by* JACK PRICE

This book is written by a man who has been the chief photographer on one of New York's leading newspapers for many years. It is a very fascinating story of the experiences and types of work newspaper men are called upon to do. The news photographer's job is so versatile that it should be of interest to every photographic fan—from an educational standpoint as well as one of general interest.

**Contents:** Introduction, Foreword, Evolution of the News Photographer, Ethics, News Picture on Assignment, Ship News, Society News, Murder Mystery, Railroad Wreck, A Big Fire, Sports, Court Trial, General News, Feature Stories, Nature Pictures, Things Not to Do, Tricks of the Trade, Personal Experiences, Psychology, Amateur and News Photography, Pictures Wanted by Newspapers, Camera Equipment, Types and Accessories, Focusing, Sighting, Developing, Printing, General Advice Recapitulation.

**174 Pages—Profusely Illustrated—\$2.00**



## Continued—GRAFLEX AND FOCAL PLANE CAMERAS

6099K	4½x6CM (1½x2½) Ernemann Ermanox, F:2 Ernon lens, case, 3 holders and adapter .....	122.50	P.N.
6099M	9x12CM Ernemann Reflex, F:4.5 Ernon lens .....	59.50	S.H.
6099N	4½x6CM Ernemann Sportsman Camera, F:3.5 lens, 3 holders and adapter .....	49.50	P.N.
6099R	3¼x4¼RB Auto Graflex, box only .....	57.50	S.H.
6099S	6½x9CM Zeiss Miroflex Camera, F:4.5 Tessar Lens, case and 3 holders .....	112.50	P.N.
6099U	9x12CM Ereneman Folding Reflex with Double extension bellows equipped Carl Zeiss Tessar F:4.5 carrying case 3 holders and adapter .....	147.50	

## MOTION PICTURE CAMERAS AND ACCESSORIES

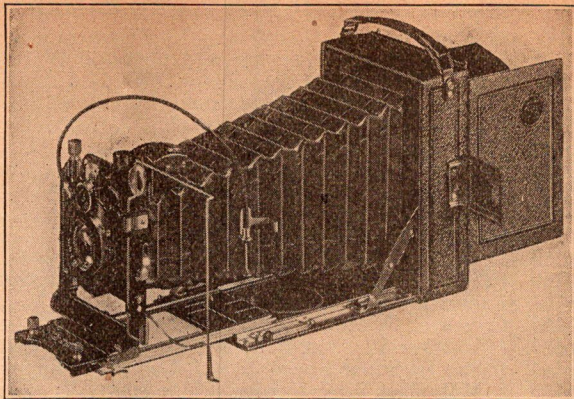
6100	16MM 400 Foot Eastman Reels & Humidor Cans, complete.....	\$ 1.15	New
6101	16MM Eastman Film Viewing outfit .....	8.50	P.N.
6102	Complete Ampro Sound Unit with Projector .....	375.00	P.N.
6103	35 MM De Vry Splicing outfit.....	4.95	P.N.
6104	35 MM Capitol Continuous Projector .....	97.50	P.N.
6105	Eastman Kodascope Model B and Case.....	77.50	P.N.
6106	Correctoscope for Filmo 70.....	14.50	P.N.
6107	9 MM Pathex Hand Driven Projector.....	4.75	P.N.
6108	1½" Projection lens for any Standard Projector.....	4.75	New
6109	Eastman Model A Cine Kodak, F:1.9 lens .....	84.50	P.N.
6110	Kino Pano Tripod, complete with head .....	22.50	P.N.
6111	35 MM New York Institute F:3.5 Camera .....	37.50	P.N.
6112	\$21.00 New Stanrite Tripod complete with Panrite Tilting Top....	17.95	New
6113	Filmo 70A with F:1.5 Cooke Complete Kodacolor Filters and Combination case .....	114.50	P.N.
6114	Carrying Case for Victor Camera.....	6.75	P.N.
6115	Eastman Kodascope Model K, 500 Watt Bulb and Case.....	139.50	P.N.
6116	Bell & Howell Character Title Writer .....	22.50	P.N.
6117	9 MM Pathex Motor Driven Projector .....	9.75	P.N.
6118	35 MM Eyemo with F:2.7 Cooke lens and case.....	97.50	P.N.
6119	35 MM New York Turret Model IV 400 Foot Magazine B & L Tessar .....	49.50	P.N.
6120	Kino Pano Tripod complete with head.....	17.50	S.H.
6121	16½x22 Eastman Kodacolor Screen .....	7.50	P.N.
6122	Eastman Cine Kodak Titler .....	4.50	P.N.
6123	30x40 Dalite Beaded Screen, New Deal Collapsible box type .....	12.50	P.N.
6124	Bell & Howell Block Letter Titler .....	4.75	P.N.
6125	Bell & Howell Filmador .....	2.75	P.N.
6126	3¼" Wollensak F:3.3 lens .....	35.00	New
6127	Weston Meter for Movies .....	17.50	P.N.
6128	6 Inch Wollensak F:4.5 lens .....	35.00	New
6129	3¼" Cooke F:3.3 Telephoto lens for 70A or 70D Filmo .....	54.50	P.N.
6130	Combination Bell & Howell Carrying Case for Filmo 70.....	7.50	P.N.
6131	Filmo 70A Camera, F:1.8 Cooke lens and case .....	84.50	P.N.
6132	35 MM Goerz Hypar F:3.5 lens 2" Focus in plan barrel .....	17.50	P.N.
6133	Bell & Howell J. L. Projector with case.....	197.50	P.N.
6134	35 MM Barker Motion Picture Camera, Tessar F:3.5 lens, 200 foot Capacity, direct film focus .....	24.50	S.H.
6135	Eastman Kodascope Model B Camera and case .....	67.50	P.N.
6136	2" F:3.5 B & L Tessar to fit 70A or 70D in focusing mount.....	24.50	P.N.
6137	Filmo 70A camera with F:1.8 Cooke lens and case.....	72.50	S.H.
6138	50 MM B & L Tessar F:3.5 lens in micrometer mount.....	16.75	P.N.
6139	1 Inch Cooke F:3.5 lens .....	9.75	P.N.
6140	1" F:1.5 Wollensak lens to fit Filmo or Victor in focusing mount... ..	33.50	New
6141	35 MM Sept Camera, with F:3.5 lens and case.....	29.50	P.N.
6142	16 MM Cooke F:3.5 lens for Filmo 2" focus .....	31.50	P.N.
6143	Filmo 70A Camera, F:3.5 Cooke, Focusing Mount and Case .....	64.50	P.N.
6144	B & L Balopticon for Opaque Pictures with 500 watt nitrogen Bulb .....	46.75	P.N.
6145	Bell & Howell Projection Kodacolor lens and Condenser .....	19.50	P.N.
6146	Motor for Pathex Camera .....	5.50	P.N.
6147	1 Inch Cooke F:1.8 lens for Victor or Filmo camera .....	24.50	S.H.
6148	16 MM Wollensak F:3.5, 1" focus in focusing mount .....	6.50	P.N.



# ROYAL

equipped  
**ZEISS TESSAR F 4.5**  
 in  
**COMPUR**

*All metal—leather covered—very rigidly constructed*



Here is a wonderful Camera for general all round work possessing features formerly to be had only in cameras selling for about double the price at which the Royal is offered.

It has been truly said that "No Camera can be better than its Lens," and the excellent definition and brilliance obtainable with the Zeiss Tessar, with which this camera is equipped, certainly proves the accuracy of this statement. For consistently high quality and uniform excellence and reliability the Tessar is unsurpassed, particularly when used in conjunction with the precise Compur shutter.

The long bellows, the rising and falling front adjustment, lateral movements, the ground glass focusing screen; all these are features not found on ordinary hand cameras, but which are necessary to the advanced amateur who wishes to make really good pictures.

The Royal probably comes as close to being a truly "Universal" Camera as it is possible to construct. Here are a few of the many picture taking possibilities of this Camera: General snapshot pictures, high speed sport pictures (athletic events, etc.), News photographs, portraiture indoors and out, photography of small objects and the copying of other pictures (the long bellows permits small objects to be photographed to same size if desired). With optional lens attachments which may be purchased, either wide angle or tele-photo pictures may also be made.

Complete with 3 Single Plate Holders and F. P. Adapter .....	\$48.00
Equipped with Schneider Xenar F 4.5 .....	43.50
Case .....	4.25

## THE SOFT-SHARP SCREEN

*Made according to the investigations of Léonard Misonne*

**ADVANTAGES.** This screen produces an effect superior to that produced by other similar appliances because it leaves part of the surface of the lens uncovered. This uncovered portion of the lens functions normally, that is to say, with a quality that gives the image a firm foundation such as is often lost in other methods of softening.

This firmness does not obliterate any of the soft quality and in the softest image there is still a trace of anastigmatic definition.

To convince oneself of this it is only necessary to slide the screen across the face of the lens and examine the image on the ground glass. You will see the image pass gradually from anastigmatic sharpness to extreme softness. As the screen covers a quarter, a third, a half, and so on, of the face of the lens, there will be a corresponding degree of softness in the definition of the image. In this way one has complete mastery over the degree of softness.

There are on the market a number of similar softening screens, but they all cover the lens entirely and one must therefore be satisfied with the quality of definition that they provide; it is not possible to regulate the quality with any of these screens.

Compared with semi-achromatic lenses (soft-focus lenses specially intended for portraiture), it is obvious that the soft-sharp screen is equally superior.

In the first place, such lenses almost always give excessive softness at the margins of the picture which makes it difficult, if not impossible, to use them for groups or landscapes. This can be avoided only by stopping down the lens and that leads to a loss of luminosity and the other special qualities of the lens. The soft-sharp screen, on the contrary, does not modify the quality of definition in the corners of the picture any more than it does in the center, and the softening is entirely independent of the diaphragm.

Size No. 1, 1 ¼ inches . . .	\$1.00	No. 2, 2 ½ inches . . .	\$1.50
No. 3, 3 ½ inches . . .	\$2.00		



## Continued—MOTION PICTURE CAMERAS AND ACCESSORIES

6149	35 MM New York Institute F:6.5 Camera.....	29.50	P.1
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6507	11x14	Korona View Camera, defective bellows.....	22.50 S.H.
6508		Deardorf View Camera, box only.....	49.50 P.N.
6509	5x7	Conley View with Case, 9½ inch Wollensak Vinco F:6.8 lens, Autex shutter.....	54.50 S.H.
6510		No. 3 Century Studio Stand.....	21.50 P.N.
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A NEW EDITION, DOUBLED IN SIZE

# Photographic Amusements

*Including a description of a number of novel effects obtainable  
with still and movie cameras*

By FRANK R. FRAPRIE and WALTER E. WOODBURY

## TENTH EDITION

Completely rewritten and greatly enlarged. The present edition of this book, although it treats practically all of the subjects covered by Mr. Woodbury in his original work by this title, has been so rewritten and enlarged that it contains nearly three times the number of pages contained in the ninth edition. It is a practically complete account with working directions of all the numerous novel tricks and effects which have been invented by photographers for use in both still and motion-picture photography in the last hundred years, and also contains instructions for work in a large number of less usual departments of photography which are in no sense tricks, though they may afford an agreeable side line or pastime to the experienced photographer. Two of the most important chapters in the book are the last two, "Trick Effects in Home Movies," and "New Eyes, New Compositions, New Conscience," a complete review of the methods and achievements of modernistic photography. Each of these two articles shows how practically all of the previous chapters of the book can be applied to the subjects on which they treat. A list of contents follows:

- |                                   |                                   |                                |
|-----------------------------------|-----------------------------------|--------------------------------|
| Introduction                      | Photographing Snow and Ice        | Copying                        |
| Composite Photography             | Crystals                          | Photographs on Silk            |
| Double Exposures                  | How to Print a Photograph In-     | Photographs on Canvas          |
| Spirit Photography                | side a Bottle                     | To Print on Cloth              |
| Doubles and Monsters              | Photographing Ink Crystals        | Photographs on Various Fabrics |
| Duplicators and Triplicators      | The Photo-Anamorphosis            | Shortcuts and Handy Devices    |
| Freak Pictures and Doubles with a | Statuette Portraits               | Blanchard Brush                |
| Black Background                  | Photographs without Light         | Blisters                       |
| A Man in a Bottle                 | Electric Photographs              | Bolting Silk                   |
| Freak Pictures by Successive Ex-  | Photographing the Invisible       | Cooling or Freezing Mixture    |
| posures                           | Simpson's Invisible Photographs   | Fireproofing Fabrics           |
| Multiple Photography with Mir-    | Making Direct Positives in the    | Finding the Focal Length of a  |
| rors                              | Camera                            | Lens                           |
| Amusing Effects with Convex and   | Pictures with Eyes which Open     | Ground Glass Screen            |
| Concave Mirrors                   | and Close                         | Harmonizing Harsh Negatives    |
| A Method of Silvering Glass       | The Disappearing Photograph       | Shutter-speed Testing          |
| Caricature Photographs            | Magic Photographs                 | Titles on Prints               |
| Comical Portraits                 | Luminous Photographs              | Stripping Negatives            |
| A Simple Method of Enlarging      | Photographs in any Color          | Blisters on Bromide Paper      |
| A Portrait on a Cone              | Blueprints                        | To Clean Bottles               |
| Photographing a Catastrophe       | Kallitype                         | To Dry Bottles                 |
| Wide-angle Studies                | A Photographic Barometer          | To Loosen Stoppers             |
| Pinhole Photography               | Dry Plates that will Develop with | Coins as Weights               |
| Telephone Pictures with an Opera  | Water                             | Fireproofing Muslin            |
| Glass                             | Magic Vignettes                   | Writing on Glass               |
| Panoramic Views                   | Silhouettes                       | Paint for Dulling Bright Sur-  |
| Artificial Mirages of Photography | Firelight Effects                 | faces                          |
| Table-top Photography             | Imitation Bas-reliefs             | Cement for Porcelain           |
| Photography for Household Deco-   | Moonlight Effects                 | Paint for Blackboard           |
| ration                            | Night Photography                 | Dead Black for Wood            |
| Photographic Bookplates           | Photographing Lightning           | Black for Cameras              |
| Stamp Portraits                   | Photographing Fireworks           | To Make a Pen-and-ink Sketch   |
| Photographic Statuettes           | Photographing the Sun             | from a Photograph              |
| Leaf Prints                       | Taking Photographs of an Eclipse  | Photo Sketches and Photo Film  |
| Making Copies by Direct Reflec-   | of the Sun                        | Etchings                       |
| tion                              | Nature's Caricatures              | Photographic "Old Masters"     |
| Photographs on Apples and Eggs    | Instantaneous Photography         | Trick Effects in Home Movies   |
| Photographing Seaweeds            | Aerial Photography                | New Eyes, New Compositions.    |
| Floral Photography                | Stereoscopic Photographic         | New Conscience                 |
|                                   | Architectural Photography         |                                |

The book contains nearly three hundred pages and about one hundred and eighty illustrations. Bound in red cloth.

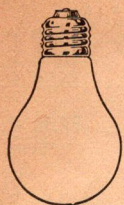
## Price, \$3.00



## Continued—VIEW, HOME PORTRAIT &amp; STUDIO OUTFITS

6512	8x10 4A Century Studio Camera, Heliar F:4.5 lens, 14 inch focus, silent shutter	165.00 P.N.	
6513	5x7 Criterion View for Home Portrait Work, 7 in. Wollensak Series II F:4.5 lens, Regno shutter, case and holder	47.50 P.N.	x
6514	5x7 Folmer Multiplying Camera, complete with kits and one holder	49.50 P.N.	r
6515	8x10 Century triple extension, Reversible Back, leather covered, R.R. lens, Auto shutter, 1 Plate Holder	49.50 P.N.	e
6516	5x7 Korona Criterion View Camera, R.R. lens, holder and case	32.50 P.N.	r
6517	8x10 View Camera, defective bellows, good for enlarging purposes	13.50 S.H.	e
6518	8x10 Competitor View Camera, 1 holder and case	26.50 P.N.	a
6520	6½x8½ Eastman View No. 2 Camera, 1 holder and case	24.50 P.N.	y
6521	11x14 Century Portrait Camera. 8x10 and 5x7 Reducing Back complete with centennial stand	169.50 P.N.	
6522	8x10 Century Portrait Camera with 5x7 reducing back, curtain slide holder for 5x7 and 8x10	33.75 P.N.	
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6524	11x14 8A Century Studio Camera, three 11x14 studio holders, 1 8x10 reg. back for double holders, 1 5x7 back for curtain slide holders; complete	97.50 P.N.	r
6525	8x10 Improved Seneca View Camera, R.R. lens, Auto shutter	42.50 P.N.	y
6526	12x20 Korona Banquet Camera, Turner-Reich Series II F:7.5 lens, Universal shutter, film holder and case	162.50 P.N.	
6527	8x20 Korona Panoramic View Camera, 1 holder and case	54.50 P.N.	y
6528	8x10 Korona Home Portrait Camera, Film holder and case	36.50 P.N.	h
6529	8x10 Ansco View Camera, no lens, holder and case	46.50 P.N.	e
6530	8x10 Eastman View No. 2 Camera, B & L Tessar F:4.5 lens, Packard shutter, 1 holder and case	94.50 P.N.	
6531	5x7 Competitor View Camera, R.R. lens, Auto shutter, 1 holder and case	24.50 S.H.	
6532	5x7 Deardorf View Camera with B & L Tessar, 5x7 F:4.5 lens, Packard shutter, 1 holder	84.50 P.N.	
6533	5x7 Korona View Camera, F:6.8 Turner-Reich in General shutter	67.50 P.N.	
6534	5x7 Korona View Camera, Dager F:6.8 lens and Packard shutter	69.50 P.N.	0
6535	5x7 Seneca View Camera	29.50 P.N.	5
6536	8x10 Eastman Home Portrait outfit	39.50 P.N.	5
6537	6½x8½ View Camera, Velostigmat F:6.3 lens Auto shutter, case and holder	67.50 P.N.	
6538	5x7 Conley View camera with case, Dagor 7 inch lens in Optimo shutter	44.50 S.H.	
6539	7x11 Eastman View No. 2 Camera, 1 double holder and case without lens	42.50 S.H.	
6540	5x7 Conley View Camera, no lens, with holder and case	26.50 P.N.	
6541	8x10 Korona View Camera, Velostigmat Series II F:4.5 lens 12 inch focus, Packard shutter, 1 holder and case	112.50 P.N.	
6542	14x14 Copying, Reducing and Enlarging Camera, 5 foot bellows, complete with holder	47.50 S.H.	
6543	5x7 Korona View Camera, case and holder	37.50 P.N.	
6544	8x10 Deardorf View Camera, box only	69.50 P.N.	
6545	8x10 Eastman View Camera, 12 inch Goerz Dagor F:6.8 lens in Acme shutter	119.50 P.N.	
6546	5x7 Korona View Camera, 9¼ inch Tessar F:4.5 lens in Betax shutter	97.50 P.N.	
6547	6½x8½ Criterion View Camera complete with 5x7 Reducing back	19.50 P.N.	
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6550	5x7 Korona View equipped Ser. IV F:6.3 Velostigmat in Betax shutter	46.50 P.N.	
6551	5x7 Korona View	29.50 P.N.	
6551	4x5 Korona View equipped with 6½" Velostigmat F:4.5 in Betax shutter	49.50 P.N.	
6552	3¼x4¼ Korona View	28.50 P.N.	
6553	5x7 Korona View equipped F:4.5 Ilex Paragon in General shutter	54.50 P.N.	
6554	5x7 Seneca View equipped F:6.3 Ilexigmat in General shutter	39.50 P.N.	
6555	5x7 Eastman View equipped Ser. II Velostigmat F:4.5 in Betax shutter	64.50 P.N.	
6556	3¼x4¼ Korona View equipped with 6 in. Carl Zeiss Tessar in Compur shutter	54.50 P.N.	
6557	5x7 Korona View equipped F:4.5 Ser. II Velostigmat in Betax shutter	57.50 P.N.	
6558	5x7 Century Triple Extension leather bellows with R.R. lens	32.50 P.N.	
6559	5x7 Seneca No. 9 Triple Extension leather bellows equipped Goerz Syntor F:6.8 in Koilos shutter	34.50 P.N.	





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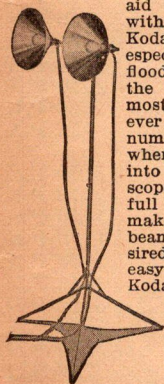
## A NEW PHOTO - FLOOD LAMP OF OPAL GLASS

A marvelous new Photo Flood Lamp made of Osram glass, producing a soft diffused white light which is not hard on the sitters eyes and gives a more even illumination, 25% greater than the old Photo Flood. Particularly suitable for use in enlarging machines. One lamp is equivalent to 750 watts and has an approximate life of FIVE hours.

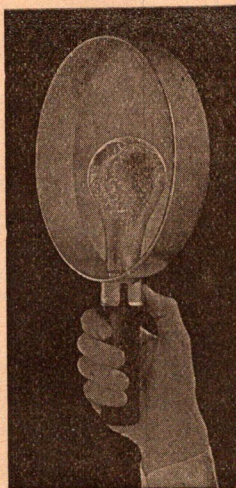
Price single bulbs .....	40 cents each
In lots of six—\$1.92.....	32 cents each
Per dozen—\$3.60 .....	30 cents each
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### NEW EASTMAN KODAFLECTOR

**\$4.95**



Eastman introduces a new aid to indoor movie making with 16mm cameras and Cine-Kodaks Eight, alike. Designed especially for use with Photo-flood lamps, the Kodaflector is the simplest and by far the most efficient lighting outfit ever produced. Its two aluminum reflectors, which lie flat when not in use, snap quickly into position. Its stand telescopes into a fraction of its full height. Its swivel head makes it possible to direct the beams of its lights in any desired direction. Easy to use, easy to pack, easy to carry, Kodaflector.



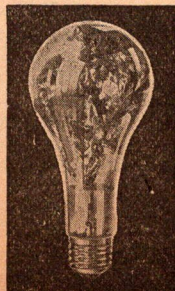
Flash Bulb  
Reflector  
and  
2 Flash Bulbs  
79c  
Complete

Here is a very special value of a flash reflector complete with 2 flash bulbs. The reflector measures 12 inches in diameter and is capable of throwing a fine flood of light. Reflector is complete with battery ready for use.

### PHOTO FLASH BULBS 15c EACH

## LOTS OF 6 72c

Think of it—with the Photo Flash Bulb, you can take pictures any place, any time; indoors, outdoors; rain or shine; and get perfect negatives every time. All the light you want for any job and no noise, no smoke, no fumes, no dirt and with absolute safety—just as safe as the ordinary Mazda bulb. Use them with the same films or plates you are using at present and see the beautiful detail in the shadows, the sparkling high lights.





## Continued—VIEW, HOME PORTRAIT &amp; STUDIO OUTFITS

6560	5x7 Pony Premo No. 4 Stereo Camera with R.R. lens.....	39.50	P.N.
6561	5x7 Pony Premo No. 6.....	18.50	S.H.
6562	6½x8½ Seneca View, new Bellows .....	26.50	P.N.
6563	5x7 Korona Ser. V equipped with Plaubel Orthos Triple Convertible in Compur shutter .....	57.50	P.N.

## ROLL FILM CAMERAS

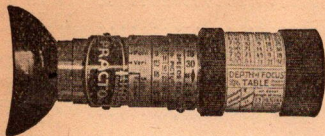
2½x4¼, 3¼x4¼, 2⅞x4⅞, 3¼x5½

6300	3¼x5½ Zeiss Nixie B Camera, Tessar F:4.5 lens, Compur shutter....	\$ 49.50	S.H.
6301	2½x4¼ Cocarette Camera, F:4.5 Tessar lens, Compur shutter.....	29.50	P.N.
6302	2⅞x4⅞ 2C Eastman Kodak, Ser. 111, F:5.6 lens, Diomatic shutter.....	21.50	P.N.
6303	3¼x5½ 3A Eastman Special, F:6.3 lens, Optimo shutter.....	19.50	S.H.
6304	2½x4¼ 1A Eastman Kodak, F:7.7 lens .....	10.50	P.N.
6305	2⅞x4⅞ 2C Eastman Kodak, F:7.7 lens.....	9.50	P.N.
6306	3¼x4¼ No. 3 Eastman Kodak, Ser. 111 F:6.3 lens, Diomatic shutter....	19.50	P.N.
6307	2½x4¼ Eastman Kodak, Meniscus Achromatic lens.....	7.50	P.N.
6308	3¼x5½ 3A Eastman Kodak, Meniscus Achromatic lens.....	9.50	P.N.
6309	3¼x4¼ Zeiss Nixie A Camera, Tessar F:4.5 lens Compur shutter....	57.50	P.N.
6310	2½x4¼ Autographic Brownie, Meniscus Acromatic lens, B.B. shutter..	4.50	S.H.
6311	2½x4¼ 1A Eastman Special, Kodak F:6.3 lens, Optimo shutter.....	27.50	P.N.
6312	2½x4¼ Eastman Kodak, F:7.9 lens, Kodex shutter.....	6.75	S.H.
6313	2⅞x4⅞ 2C Kodak, F:6.3 lens .....	14.50	P.N.
6314	3¼x5½ Eastman Special, F:6.3 Kodak lens, Optimo shutter.....	18.50	S.H.
6315	3¼x4¼ Eastman Kodak, F:7.7 lens.....	9.50	P.N.
6316	2⅞x4⅞ 2C Eastman Ser. 111, F:6.3 lens, Diomatic shutter.....	17.50	P.N.
6317	3¼x5½ Palko Camera, F:4.5 lens, Ilex shutter.....	54.50	P.N.
6318	3¼x4¼ Eastman Kodak, F:6.3 lens, Kodex shutter.....	13.50	P.N.
6319	2½x4¼ Zeiss Icarette D Camera, Tessar F:4.5 lens, Compur shutter..	37.50	P.N.
6320	3¼x5½ Eastman Kodak, RR lens, BB shutter.....	7.75	S.H.
6321	3¼x5½ 1A Eastman Kodak, RR lens.....	9.75	P.N.
6322	2⅞x4⅞ 2C Kodak, F:7.9 lens, Kodex shutter.....	11.50	P.N.
6323	2½x4¼ 1A Eastman Special, F:4.5 lens, Kodomatic shutter.....	29.50	P.N.
6324	2½x4¼ Eastman Ser. 111 Camera, F:6.3 lens, Diomatic shutter.....	13.75	P.N.
6325	4½x6½ 4A Eastman Kodak, RR lens.....	22.50	P.N.
6326	3¼x5½ Eastman Kodak, F:7.7 lens, BB shutter.....	8.50	S.H.
6327	No. 4 Eastman Panoram Camera.....	24.50	P.N.
6328	2½x4¼ Eastman Special, 11B Tessar F:6.3 lens, Optimo shutter.....	26.50	P.N.
6329	2½x4¼ Voightlander Avus Camera, Skopar F:4.5 lens, Compur shutter	26.50	P.N.
6330	2⅞x4⅞ 2C Eastman Kodak, RR lens, BB shutter.....	9.75	P.N.
6331	3¼x5½ Eastman Special Range Finder Model, F:6.3 11B Tessar lens, Optimo shutter .....	34.50	P.N.
6332	3¼x5½ Eastman Special, Tessar F:6.3 lens, Optimo shutter.....	24.50	P.N.
6333	2¼x7 No. 1 Panoram Kodak.....	14.50	P.N.
6334	2½x4¼ 1A Kodak, F:6.3 lens, Regular shutter.....	11.50	P.N.
6335	2½x4¼ 1A Eastman Ser. 111, F:5.6 lens, Diomatic shutter.....	19.50	P.N.
6336	2½x4¼ Voightlander Avus Camera, Heliar F:4.5 lens Compur shutter..	36.50	P.N.
6337	3¼x5½ Nixie B Camera, Tessar F:4.5 lens, Compur shutter.....	67.50	P.N.
6338	3¼x4¼ Eastman Kodak Special, F:6.3 lens, Kodomatic shutter.....	17.50	P.N.
6339	2½x4¼ Zeiss Ikomat D Camera, Tessar F:4.5 lens, Compur.....	36.50	P.N.
6340	2½x4¼ Eastman Kodak, F:6.3 lens, Kodex shutter.....	7.50	S.H.
6341	2⅞x4⅞ 2C Eastman Special Range Finder Model, F:6.3 lens, Kodomatic shutter .....	22.50	P.N.
6342	3¼x5½ 3A Eastman Kodak, F:7.9 lens, Kodar Regular shutter.....	14.75	P.N.
6343	3¼x5½ 3A Eastman Kodak Box only.....	6.75	P.N.
6344	2½x4¼ 1A Kodak Box Only .....	4.95	P.N.
6345	2½x4¼ Zeiss Cocarette Camera, F:4.5 Tessar lens, Compur shutter....	29.50	P.N.
6346	3¼x4¼ No. 3 Kodak, Box only.....	5.75	P.N.
6347	2½x4¼ Six 16 Eastman Kodak, F:6.3 lens .....	11.50	P.N.
6348	2⅞x4⅞ 2C Kodak, Box only.....	6.50	P.N.
6349	2½x4¼ Eastman Kodak, Ser. 11, F:7.7 lens.....	9.75	P.N.
6350	3¼x5½ 3A Kodak Special, Range Finder Model, Box only.....	12.50	P.N.
6351	3¼x5½ Eastman Special with Range Finder, F:6.3 Kodak lens.....	22.50	S.H.
6352	2½x4¼ Foth Roll Film Camera, F:4.5 lens.....	16.50	P.N.
6353	2½x4¼ 1A Eastman Box only.....	5.50	P.N.
6354	2½x4¼ Eastman Special, F:6.3 lens, Optimo shutter.....	14.50	S.H.



# A WONDERFUL VALUE THE PRACTOS EXPOSURE METER

FOR BOTH MOVIE AND STILL CAMERAS



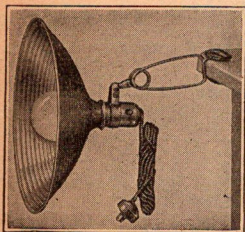
**\$4.95** Complete with case

Precise and dependable instruments, simple in operation and remarkably free from complicating gadgets.

You do not have to use a sliding scale—you simply look into the meter and obtain your findings visually. It is indispensable for both still and cine work.

Practos is very simple to use and its exposure reading are very accurate. This meter has a compensating scales for the various film speeds and the different kinds of filters. This meter works as accurately indoors as outdoors. It is very small and can be carried in the vest pocket conveniently.

# TAKE PICTURES IN THE HOUSE with THE CLAMP-ON PHOTOFLECTOR



Special  
**\$1.79**  
Complete

With this new lamp, you can get good pictures with 1 to 5 second exposure, even when a simple box camera is used, and in split seconds with cameras having fast lenses. The lamp is as clean and as simple to use as a regular Mazda lamp. It operates on ordinary house current (105-120 volts A. C. or D. C.). It has a burning life of approximately

2 hours. And—it costs but a few pennies more than the lamps you use to light your home! The reflector is made of aluminum and measures 12 inches across giving a very nice flood of light. It is mounted on a very unique clamping device which will clamp on the back of the chair or any other fixture handy without marring because the clamp is padded. It makes a very fine light to use for indoor photography.

With new Opal Photo-Flood bulb advertised on page 16.....\$1.84

## Flashed Opal Glass

A first quality flashed glass for use as a diffusing screen. Just the right quality to afford even diffusing.  
Flashed Opal Glass:

7x 7 or smaller.....	\$0.50	11x14 .....	\$1.20
8x10 .....	.60	14x14 .....	1.60
10x10 .....	.70	14x17 .....	1.80
10x12 .....	.70	16x20 .....	2.40
For R. B. Enlarging Camera, 11x11 .....			1.20
No. 1 Crown Printer, 9x11 .....			.70
No. 2 Crown Printer, 12x15½ .....			1.80
No. 1 F. & S. Professional Printer, 9x11 .....			.70
No. 2 F. & S. Professional Printer, 12x15½ .....			1.80
Wratten Safelight Lamp, No. 1, 6¼x9¾ .....			.60

### GROUND GLASS EXTRA FINE

3¼ x 4¼ .....	\$0.15	6½ x 8½ .....	\$0.25
4 x 5 .....	.15	8 x 10 .....	.30
3¼ x 5½ .....	.15	10 x 12 .....	.65
5 x 7 .....	.20	11 x 14 .....	.75

### ORANGE AND RUBY GLASS

3¼ x 4¼ .....	\$0.10	6½ x 8½ .....	\$0.30
3% x 4% .....	.15	8 x 10 .....	.35
4 x 5 .....	.15	10 x 12 .....	.50
4% x 5½ .....	.20	11 x 14 .....	.65
5 x 7 .....	.20	16 x 20 .....	1.70



## Continued—ROLL FILM CAMERAS

6355	2½x4¼	"6-16" Eastman Kodak, F:4.5 lens.....	22.50	P.N.
6356	3¼x4¼	Eastman Kodak, RR lens.....	6.75	S.H.
6357	3¼x5½	Anasco Camera, RR lens.....	7.50	P.N.
6358	27⁄8x47⁄8	2C Kodak, Meniscus Achromatic lens.....	8.75	P.N.
6359	2½x4¼	Zeiss Ikomat Camera, F:6.3 Novar lens.....	13.50	P.N.
6360	3¼x5½	Eastman Special. Range Finder model, F:6.3 lens, Kodomatic shutter.....	29.50	P.N.
6361	3¼x5½	3A Kodak, F:6.3 lens, Ilex shutter.....	19.50	P.N.
6362	3¼x4¼	No. 3 Eastman Kodak, Meniscus Achromatic lens.....	7.50	P.N.
6363	2½x4¼	1A Eastman Kodak, RR lens.....	5.75	S.H.
6364	2½x4¼	Voightlander Inos, Skopar F:4.8 lens, Compur shutter.....	29.50	P.N.
6365	No. 3A	Eastman Kodak, F:7.9 lens.....	9.75	P.N.
6366	3¼x4¼	No. 3 Eastman Ser. 111 Kodak, F:5.6 lens.....	19.50	P.N.
6367	2½x4¼	Zeiss Ikomat D equipped F:6.3 Novar lens.....	16.50	P.N.

## PLATE AND FILM PACK CAMERAS

2¼x3¼, (6½x9CM)—3¼x4¼ (9x12CM)—4x5—4x6 (10x15CM)

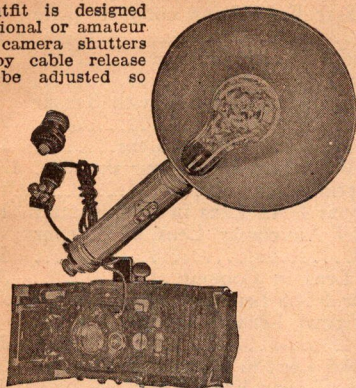
Outfits are complete with 3 holders and F. P. Adapter unless otherwise specified.

6400	10x15CM	Certo Camera with F:3.5 Schneider Xenar Lens in Compur shutter.....	\$ 46.50	S.H.
6401	9x12CM (3¼x4¼)	Ideal B Camera, Tessar F:4.5 Lens in Compur shutter.....	49.50	S.H.
6402	4x5	Seneca double extension camera equipped with F:6.3 Kodak Lens in Optimo shutter, holder.....	19.50	P.N.
6403	4½x6CM	Ica Atom A Camera, Novar F:4.5 Lens, Compur shutter.....	18.50	P.N.
6404	2¼x3¾	Premo No. 12 Camera, F:7.7 Lens, 1 holder.....	8.75	P.N.
6405	4x5	Seneca box only, 1 holder.....	12.50	S.H.
6406	6½x9CM (2¼x3¼)	Eastman Recomar, F:4.5 Schneider Xenar in Compur shutter.....	28.50	P.N.
6407	9x12CM	Voightlander Avus Camera, Skopar F:4.5 Lens in Compur shutter.....	27.50	S.H.
6408	5x7	Zeiss Jewell B Camera, with Tessar F:4.5 Lens in Compur shutter.....	179.50	P.N.
6409	9x12CM	Certo Camera with F:3.5 Schneider Xenar lens in Compur shutter.....	39.50	P.N.
6410	4x5	Century double extension Camera, with RR Lens.....	13.50	P.N.
6411	4x5	Triple extension Korona Camera with F:6.3 Lens in Optimo shutter.....	24.50	P.N.
6412	10x15CM (4x6)	Certo Camera equipped with F:3.5 Schneider Xenar Lens in Compur.....	59.50	P.N.
6413	6½x9CM	Kawee Camera with Tessar F:4.5 Lens in Compur shutter....	32.50	P.N.
6414	45x107MM	Voightlander Stereoflectoscope with Heliar F:4.5 Lenses, Compur shutters, including case, plate magazine, pair 2X and 5X filters.....	97.50	P.N.
6415	9x12CM	Voightlander Berghel Camera, Heliar F:4.5 Lens in Compur shutter.....	46.50	P.N.
6416	6½x9CM (2¼x3¼)	Voightlander Avus Camera equipped with Skopar F:4.5 Lens in Compur shutter.....	26.50	P.N.
6417	4x5	Korona Triple extension Camera, Tessar F:6.3 Lens in Optimo shutter.....	22.50	P.N.
6418	3¼x5½	Korona Petit Camera, F:6.3 Anastig. Lens in shutter.....	17.50	P.N.
6419	9x12CM	Plaubel Camera equipped with the Anticomar F:2.9 Lens in Compur shutter.....	69.50	P.N.
6420	9x12CM	Voightlander Berghel Camera, F:3.5 Heliar Lens in Compur shutter.....	62.50	P.N.
6421	9x12CM	Maximar B Camera, Tessar F:4.5 Lens in Compur.....	36.50	P.N.
6422	47⁄8x6CM	Contessa Nettel Ergo, defective camera, with Tessar F:4.5 Lens.....	49.50	P.N.
6423	3¼x4¼	Premo Camera, RR Lens, 1 holder.....	6.50	S.H.
6424	6½x9CM	Zeiss Ideal A Camera, Tessar F:4.5 Lens in Compur shutter.....	49.50	P.N.
6425	10x15CM	Linhof Precision Camera, Tessar F:4.5 Lens in Compur shutter.....	87.50	P.N.
6426	9x12CM	Voightlander Vag Camera, F:6.3 Lens.....	19.50	P.N.
6428	6½x9CM	Zeiss Bebe Camera, Tessar F:4.5 Lens, Compur shutter.....	37.50	P.N.
6429	3¼x5½	Seneca double extension Camera, equipped with RR Lens in shutter, 1 holder.....	12.50	P.N.
6430	9x12CM	Linhof Precision Camera, F:4.5 Tessar Lens in Compur shutter.....	69.50	P.N.
6431	6½x9CM	Certo High Speed Camera, F:2.9 Schneider Xenar Lens in Compur shutter.....	42.50	P.N.
6432	3¼x5½	Premo double extension Box.....	8.75	S.H.
6433	6½x9CM	Kawee Camera, single extension, Radionar Lens F:4.5.....	17.50	P.N.



### ROYAL SYNCHRONIZING BATTERY OUTFIT

This Outfit is designed for professional or amateur use with camera shutters operated by cable release and can be adjusted so



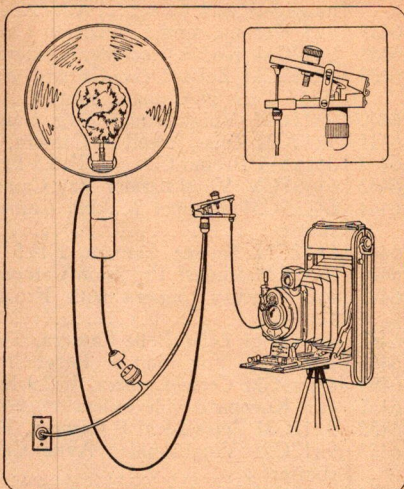
Royal

that the shutter and flash bulb go off at same time. Attaches to tripod socket and holds the reflector in position, leaving the hands free to hold camera and operate release. Weight complete, 24 oz.

Price with battery without bulb.....\$5.25

### Cable Release Synchronizer

FOR KODAKS AND COMMERCIAL CAMERAS **\$1.75**



This cable release synchronizer is used for all style Kodaks and Commercial Cameras. It is used to synchronize the flash bulb and the shutter. It is very simple to attach and can be used with any flash bulb reflector, whether it is used on 110 volt circuit or is used with a small battery. It permits the proper photographing of all indoor sport pictures, baby pictures and in all indoor shots it eliminates the possibility of any movement during the flash light exposure. One operation serves to both operate the shutter and the bulb.

### HOW TO MAKE GOOD PICTURES

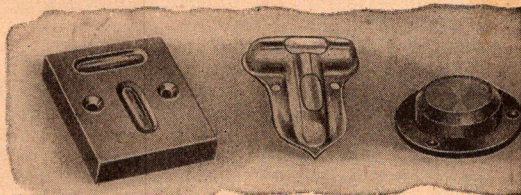
One hundred and fifty pages of carefully arranged facts. Information on all branches of amateur photography, compiled from the vast experience of the kodak company.

In board covers, per copy.....\$0.48

### Levels

These instruments are of the greatest convenience for placing the camera and thereby rendering parallel lines correct.

- No. 2. T. Level .....\$0.72 each
- No. 1. Circular Levels ..... .72 each
- No. 4. Montauk Double "Square" Level ..... 1.50 each



No. 4

No. 2

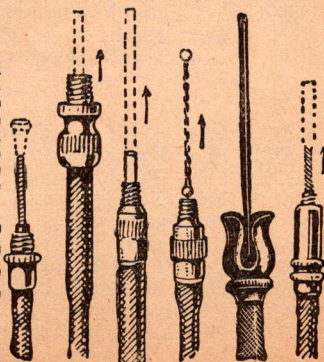
No. 1

### PUSH CORD SHUTTER RELEASES

Push Cord Shutter Release will not fail you at the critical moment, but does its work well and faithfully all the time. The materials used in construction are metal and cloth. The working parts are simple. A wire runs through a flexible woven tube of cloth and is movable by a slight pressure on a finger-button at one end, causing the wire to protrude at the other. The leading feature, it will be noted, is that the working efficiency of the materials used in construction are not in any way affected by climatic changes.

- No. 4—For Universal, Goerz Sector, Bausch & Lomb, each \$0.50
- No. 5a—For Roller Blind Shutter ..... 1.00
- No. 9b—For old style Compound Shutter..... .50
- For Wollensak Studio Shutter, 36" ..... 2.50

When ordering Compound Shutter Release, designate for old or new style compound shutters so as to receive correct models.



### Push Cord Shutter Releases for New Model Shutter

- 6 inch, 8 inch, and 10 inch Cable Release .....35c
- 20 inch Cable Release.....\$1.00
- 36 inch Cable Release..... 1.75



## Continued—PLATE AND FILM PACK CAMERAS

6434	6½x9CM Maximar A Camera, Tessar F:4.5 Lens, Compur shutter.....	29.50	P.N.
6435	9x12CM Kodak Recomar, F:4.5 Schneider Xenar Lens in Compur shutter	26.50	S.F.
6436	45x107MM Richards Verascope with Tessar F:4.5 Lens, complete plate magazine and case.....	97.50	P.N.
6437	4x5 Korona, single extension Camera, F:7.7 Lens, 1 holder.....	9.50	S.F.
6438	9x12CM Kodak Recomar Camera, Kodar F:4.5 Lens.....	34.50	P.N.
6439	10x15CM Zeiss Orix Camera with spring back, equipped with Tessar F:4.5 Lens in Compur shutter.....	74.50	P.N.
6440	9x12CM Voightlander Vag Camera with F:6.3 Voigtar Lens.....	12.50	P.N.
6441	9x12CM Zeiss Jewell A Camera, Tessar F:4.5 Lens in Compur shutter..	174.50	P.N.
6442	3¼x5½ Premo Camera, F:6.3 Lens in Optimo shutter.....	17.50	P.N.
6443	6½x9CM Voightlander Vag Camera, Skopar F:4.5 Lens in Ibsor shutter	18.50	P.N.
6444	6½x9CM Plaubel Makina Camera, F:2.9 Anticomar Lens in Compur shutter .....	59.50	P.N.
6445	9x12CM Kawee Camera, F:4.5 Tessar Lens in Compur.....	34.50	S.H.
6446	9x12CM Linhof Precision Camera, Tessar F:4.5 Lens in Compur shutter	74.50	P.N.
6447	4x5 Century Camera with F:6.3 Velostigmat Lens in Optimo shutter, 1 holder .....	26.50	P.N.
6448	4½x6CM Zeiss Bebe Camera, Tessar F:4.5 Lens in Compur shutter....	32.50	P.N.
6449	10x15CM Voightlander Berghel Camera, Skopar F:4.5 Lens.....	47.50	S.H.
6450	6½x9CM Certo Camera, F:2.9 Xenar Lens in Compur shutter.....	35.50	S.H.
6451	4x5 Korona double extension, box only, 1 holder.....	16.50	P.N.
6452	9x12CM Zeiss Ideal B Camera, Tessar F:4.5 Lens in Compur shutter....	64.50	P.N.
6453	9x12CM Voightlander Avus Camera, Skopar F:4.5 Lens in Compur shutter .....	33.50	P.N.
6454	9x12CM Voightlander Vag Camera, Skopar F:4.5 Lens in Ibsor shutter	14.50	S.H.
6455	45x107MM Richards Glyphoscope Stereo Camera, Archromatic Lenses, 3 holders .....	8.75	P.N.
6456	6x13CM Richard Stereo Camera, Tessar F:4.5 Lens including magazine and carrying case .....	139.50	P.N.
6457	10x15CM Zeiss Orix Camera, Tessar F:4.5 Lens in Compur shutter....	49.50	S.H.
6458	9x12CM Voightlander Berghel Camera, F:3.5 Heliar Lens in Compur shutter .....	48.50	S.H.
6460	6½x9CM Kawee Camera equipped with the F:4.5 Meyer Goerlitz Lens in Compur shutter.....	22.50	S.H.
6461	4x5 Korona View Camera, 1 holder.....	34.50	P.N.
6462	3¼x4¼ Zeiss Trona Camera with F:4.5 Lens in Compur shutter.....	39.50	P.N.
6463	3¼x4¼ Korona View Camera, case, 1 holder.....	29.50	P.N.
6464	6x13CM Voightlander Stereoflectoscope, Heliar F:4.5 Lens in Compur shutter .....	132.50	P.N.
6465	9x12CM Kawee Camera, Meyer Goerlitz F:4.5 Lens in Compur shutter..	28.50	P.N.
6466	9x12CM Voightlander Vag Camera, F:4.5 Skopar Lens in Ibsor shutter	22.50	P.N.
6467	45x107MM Rolleidoscope Stereo Camera with Zeiss F:4.5 Lens in Compur shutter .....	97.50	P.N.
6468	9x12CM Royal, F:4.5 Tessar in Compur shutter.....	36.50	P.N.
6468	5x7 Zeiss Juwel equipped Zeiss Protar F:6.3 with 3 elements giving 6 focal lengths 6", 7", 8", 11", 14" and 17½" in Compur shutter complete with case 2 holders and adapter.....	197.50	P.N.

## LEICA ACCESSORIES

6800	6½x8½ Enlarging Easel with adjustable masking bands.....	\$ 12.50	P.N.
6801	Film Magazines .....	1.75	P.N.
6802	Leitz Illuminator for Reproduction Stand with 2 40 Watt Bulbs.....	9.75	P.N.
6703	Leica Fixed Focus Enlarger for 3¼x5½ enlargements, complete with illuminating lamp .....	14.75	P.N.
6704	Illuminator for reproduction stand.....	11.75	P.N.
6705	Leitz Fodis Range Finder .....	6.50	P.N.
6706	Duro-Aluminum Light Tripod, 9 Sections, special.....	5.75	New
6707	Ever-ready case .....	4.75	P.N.
6708	Plumb weight for reproducing stand.....	1.45	P.N.
6709	Valoy Enlarger .....	39.50	P.N.
6710	5x7 Leica Enlarging Easel .....	5.50	P.N.
6711	Leitz Enlarging Apparatus, the Filoy, complete with lens.....	34.50	P.N.
6712	Yellow Filter 3 .....	3.75	P.N.
6713	35MM. Wide Angle Elmar lens for Leica D or C.....	37.50	P.N.



# Popular Lighting Arrangements at a glance on the NEW PORTRAIT LIGHTING CHART

A comprehensive digest of portrait lighting information of the utmost value to all amateurs interested in this phase of photography. A complete diagrammatic arrangement of how each result is obtained makes portraiture now remarkably simple. Fifteen different effects illustrated

50 cents

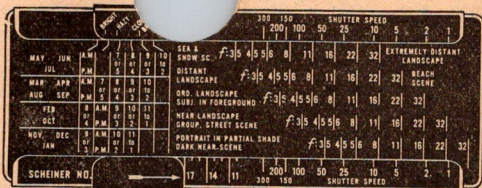
## "QUICK-SET" EXPOSURE METER

For Correct Exposures

The correct exposure for an outdoor picture depends on the sum of three factors:

\$1.00

1. Speed of film or plate used,
2. Light conditions, which vary with the hour of the day, the month, and sky conditions.
3. Subject of the picture.



## THE AUTOKNIP SHUTTER RELEASES

Which enables you to get into the group pictures with ease. Operates with spring motor.

Simply clip it to your cable-release, set it and step into the picture.

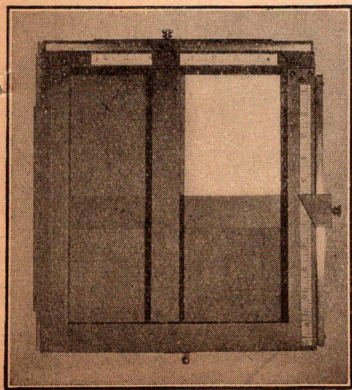
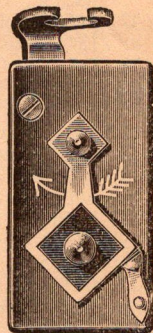
NEVER FAILS TO OPERATE

Model I for instantaneous exposure only.

Model II is bearing a regulating disk for seconds, by means of which everybody is in a position of making exposures for time and instantaneous adjustment from 1/2 a second to 10 seconds. A small red disk indicates whenever the shutter opens and shuts. This small model II, called time-releaser, works like a clockwork and is an instrument of utmost precision.

Price Model 1.....\$1.85

Price Model 2.....4.25



## Granako Enlarging Easel

ONLY  
\$7.25

The Granako Easel is a useful and accurate enlarging accessory which takes any size paper 11x14" and smaller. Instant adjustment to any size is facilitated by means of a ruled indicator. It can be suspended, placed on edge or used flat for vertical Enlargers. A simple, improved locking device insures ease of operation. Composed of wood and metal, it is, at the same time, light and rugged and is handsomely finished in black crackle. Weight, 2 lbs. Overall dimensions: 14x16x1 1/2".



## Continued—LEICA ACCESSORIES

6714	13.5CM. F:4.5 Telephoto lens for Leica Model C or D.....	47.50	P.N.
6715	Reelo Tank .....	5.75	P.N.
6716	Leitz Eldia Printing Apparatus .....	10.75	P.N.
6717	F:1.9 lens for Model D .....	89.50	P.N.
6718	Self Timer for Leica Cameras .....	3.00	New
6719	Reproduction Stand .....	16.75	P.N.
6720	Leica Front lens 11 for F:3.5 lens.....	3.75	P.N.
6721	Universal View Finder .....	6.75	P.N.
6722	Panormaic and Tilting Top .....	2.50	New
6723	Leica Front lens 1 for F:3.5 lens .....	3.95	P.N.
6724	Carrying Case for Camera and 2 extra magazines.....	4.95	P.N.
6725	Leica Tilting Top .....	2.25	New
6726	Uleja Projector complete with lens .....	24.50	P.N.
6727	Vidom View Finder .....	34.75	P.N.
6728	Correx Tank .....	14.75	P.N.
6729	11x14 Enlarging L. adjustable masking bands.....	15.50	P.N.
6728	Filoy Enlarger equ. .5 Elmar complete.....	34.50	P.N.
	Now available the new .2 Summer lens in rigid mount.....	91.00	

## ANASTIGMAT LENSES

6600	6½"x8½" Hawkeye Anastig. F:4.5 9" lens, Betax shutter.....	59.50	P.N.
6601	8x10 Velostig. Ser. 11 F:4.5 lens, 12" focus, Betax shutter.....	84.50	P.N.
6602	5x7 Wollensak Ser. 11 F:4.5 lens in Bbl. ....	26.50	P.N.
6603	5x7 Ilex Paragon F:4.5 lens, General shutter.....	29.50	P.N.
6604	5x7 Velostigmat Ser. 11 F:4.5 Anastig. lens, 7" focus, Betax shutter....	29.50	P.N.
6605	6½"x8½" Ser. 11 F:4.5 Velostig. lens, 9½" focus, Bbl. Iris Dia.....	46.50	P.N.
6606	5x7-7" Wollensak Velostig. Ser. 11 F:4.5 lens, Regno shutter, speeds 1 sec. ½, 1/5, 1/25, 1/50 T.B.....	27.50	P.N.
6607	8x10 Cooke Ser. 11 F:4.5 lens, F:4.5 in Bbl. Iris Dia. Diffusion device, 15" focus .....	147.50	P.N.
6608	6½"x8½" Conley F:6.8 lens, 10" focus, regular shutter.....	19.75	S.H.
6609	3¼x5½" Voightlander Compinar Ser. 111 F:6.8 lens, Compound shutter....	15.50	P.N.
6610	50MM B.&L. 1C Tessar F:3.5 lens, Bbl. with Iris Dia.....	16.50	P.N.
6611	8x10 Gundlach Ser. IV F:6.3 lens, 12" focus, General shutter.....	42.75	P.N.
6612	4x5 Schneider Xenar F:3.5 lens, 6½" focus, in Bbl.....	32.50	P.N.
6613	5x7 Goerz Dogmar F:4.5 Convertible lens, focus 8¼" focus, 14-20 Bbl. with Iris Dia. ....	48.50	P.N.
6614	8x10-16" Steinheil Doppel Anastig. Unifocal F:4.5 lens in Bbl.....	125.00	P.N.
6615	11x14 Gundlach Ser. IV lens, F:6.3 in Bbl. Iris Dia. 16" focus.....	48.75	P.N.
6616	5x7 Ser. 11 F:4.5 Velostig. lens, 7" focus in Bbl.....	24.50	S.H.
6617	9x12CM Carl Zeiss Tessar F:2.7 lens, 6½" focus in Bbl. Iris Dia.....	63.75	P.N.
6618	8x10 Conley Ser. V F:6.8 lens, 13" focus, Safety shutter .....	43.75	P.N.
6619	4x5 Cooke Kodak Anastig. F:6.3-6½" focus, Compound shutter.....	14.50	P.N.
6621	3¼x4¼ Cooke Ser. 11A lens, F:3.5 in Bbl. Iris Dia. 6¼" focus.....	56.50	P.N.
6622	5x7-7½" Special Anastig. F:6.3 lens, Betax shutter .....	21.50	P.N.
6623	5x7 Carl Zeiss 1C Tessar F:4.5 lens, Iris Dia. 10" focus.....	68.50	P.N.
6624	6½"x8½" B.&L. Tessar F:4.5 Anastig lens, 10" focus in Bbl. Iris Dia....	62.50	P.N.
6625	5x7 Cooke Aviar F:4.5 lens in Bbl. Iris Dia. 8¼" focus.....	72.50	P.N.
6626	2¼x3¼ B.&L. 1C Tessar F:4.5 lens, 3½" focus, Compur shutter.....	14.50	P.N.
6627	7x9½ Goerz Dogmar F:4.5 Convertible lens, 10¾" focus in Bbl.....	66.75	P.N.
6628	3¼x4¼, 5¼" Skopar F:4.5 lens, Compur shutter .....	19.50	P.N.
6629	5x7 Bbl. for B.&L. 1C Tessar with Iris Dia.....	34.50	P.N.
6630	10x12 Ilex Paragon F:4.5 lens, 14½" focus, in Bbl. Iris Dia.....	98.50	P.N.
6632	4x5-6" Heliar F:4.5 lens, Compound shutter.....	37.50	P.N.
6633	5x7 Ross Anastig. lens, F:6.3, 7" focus, Multispeed shutter.....	16.75	P.N.
6634	11x14 Heliar F:4.5 lens, 14½" focus, in Bbl. Iris Dia.....	98.50	P.N.
6635	4x5 Gundlach F:6.3 lens, Gammax shutter .....	12.50	P.N.
6636	3¼x4¼, 4¾" Voightlander Dynar F:6 lens, General shutter .....	11.50	P.N.
6637	3" Bausch & Lomb Prism for use with process lenses up to 16" focal length	49.75	P.N.
6638	11x14 Goerz Dagor F:7.7 Anastig. lens, 14" focus, Bbl. Iris Dia.....	92.50	P.N.
6639	11x14 Velostig. Ser. 11 F:4.5 lens, 15½" focus, Studio shutter.....	110.00	P.N.
6640	5x7 Wollensak Ser. IV F:6.3 lens in Betax shutter.....	17.50	S.H.
6641	6½"x8½" B.&L. 1C Tessar F:4.5 lens, 9¾" focus in Betax shutter.....	69.50	P.N.



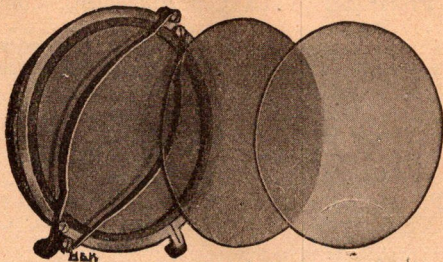
## The Barre Auxiliary Combination Lens Outfit.

We are again able to supply the above outfits which have proven so popular

**Wide Angle Lens—**  
A considerably wider angle of view is obtainable for photographing high buildings, trees, etc.

**Portrait Lens—**  
Subject can be photographed at closer distance, the picture being much enlarged.

**Copying Lens—**  
It shortens the focus, so that smaller objects may be photographed full size.



**Telephoto Lens—**  
This increases the focal length considerably, thereby reproducing distant objects much larger.

**Color Screens—**  
There are three: light, medium, and dark, increasing the exposure 3, 6 and 10 times respectively, when used with color sensitive plates or films.

When using films the lightest screen is used, increasing the exposure about ten times.

This Holder is most convenient, consisting of a threaded metal ring with holder and spring catch, by means of which any of the auxiliary lenses or color screens are instantly attached or removed.

The outfit is furnished in a satin lined carrying box containing a pouch with individual compartments for each lens and complete instructions.

Furnished in one size only, the adjustable mount accommodating lenses from 1/4 to 1 1/4 inch diameter. Price, complete set .....\$3.75

## CHROMOS SUPPLEMENTAL LENSES

A valuable help for Portraits, Reproductions, Teelphotos and Wide Angle Work, using your own camera and lens.

Each set includes a high grade Yellow Filter and a Holder which holds all the lenses as required and fits your lens hood. Comes packed in a handsome box. The lenses are marked for identification as follows:

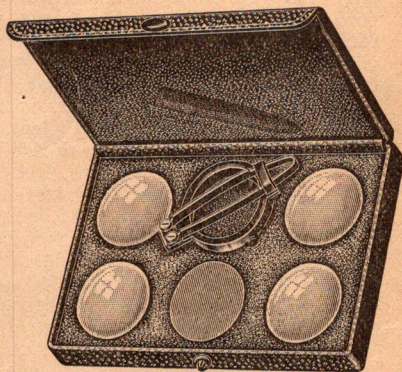
**Lens No. 1 WIDE ANGLE LENS** increases the angle of the lens, considerably reducing the focus to the same extent, securing heightened perspective, increasing field and particularly adapted to interiors.

**Lens No. 2 REPRODUCTION LENS** shortens focus 2/3 and increases intensity of light for increasing size of near-by objects without double extension.

**Lens No. 3 PORTRAIT LENS** lengthens the focus 1/4 and brings distant objects in the middle ground closer, permitting larger heads in portraiture.

**Lens No. 4 TELEPHOTO LENS** for bringing distant objects closer, increases focus 2/3.

**Ray Filter** for foliage and landscape work, an indispensable auxiliary to your outfit.



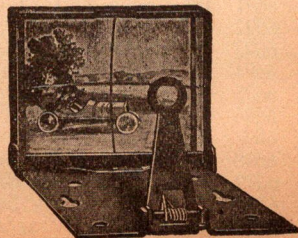
### PRICE LIST

Size No. 1	Diameter of lenses 31 mm (1 1/4 in.)	.....	\$4.25
Size No. 2	Diameter of lenses 39 mm (1 1/2 in.)	.....	5.25
Size No. 3	Diameter of lenses 51 mm (2 in.)	.....	6.25

## Korona Direct View Brilliant Finders

The illustration shows very clearly the style of this finder which is made to fold and occupy very little space when not in use. Finders of this type are frequently very convenient in hand camera work and they are better than ordinary finders for centering fast-moving objects on the plate.

These finders may be used with a camera of any size.



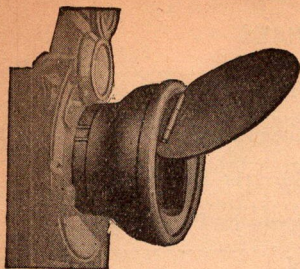
	Size of Lens 1 1/4 x 1 1/4			
For 2 1/4 x 3 1/4	3 1/4 x 4 1/4	4x5	5x7	
Price .....	\$2.10	\$2.10	\$2.25	\$2.50



## Continued—ANASTIGMAT LENSES

6642	5x7 Ilextigmat F:6.3 lens, Gen. shutter.....	24.50	P.N.
6643	5¼" Kodak Anastig. F:8.8 lens in shutter, bulb and instantaneous.....	2.45	P.N.
6644	5x7 Schneider Symmar F:6.8 lens, 7" focus, Compur shutter.....	36.75	P.N.
6645	5x7 B.&L. Zeiss Tessar F:4.5 lens, 7" focus, Bbl.....	34.50	P.N.
6646	8x10 Carl Zeiss Protar Ser. VIIA Convertible lens, Compur shutter, 13½" focus .....	152.50	P.N.
6647	6½x8½ Conley F:6.8 Anastig. lens, 8x9½" focus, Optimo shutter.....	29.50	P.N.
6648	4½x7¾ B.&L. Protar Ser. VIIA No. 7, F:6.3 lens, 6½" focus, Universal shutter .....	34.75	P.N.
6649	3¼x4¼ Goerz Dagor F:6.8 lens, Bbl. Iris Dia.....	18.50	P.N.
6650	5x7 Ser. 11 F:6.8 Turner Reich lens, 7½" focus, Acme shutter.....	44.75	P.N.
6651	3¼x4¼ Kodak F:4.5 Anastig. lens, 5½" focus, Bbl. Iris Dia.....	14.50	P.N.
6652	4x5 Dallmeyer F:3.5 lens, 6" focus, Bbl. Iris Dia.....	46.75	P.N.
6653	3¼x5½ Kodak F:6.3 Anastig. lens, 6½" focus, Universal shutter.....	17.50	P.N.
6654	5x7 B.&L. Ser. VIIA Protar lens, F:6.3, 7¼" focus, Comb. 13¼", Optimo shutter .....	39.50	S.H.
6655	5x7 Zeiss Kodak F:6.3 lens, 8½" focus, Compound shutter.....	22.75	P.N.
6656	4x5 Carl Zeiss 1C Tessar F:4.5 lens, 6" focus in Compur shutter.....	26.75	P.N.
6657	3¼x4¼ Goerz Dogmar F:4.5 lens, 5" focus in Bbl.....	24.50	P.N.
6658	5x8 B.&L. 1C Tessar lens, 8¼" focus, in Bbl.....	42.50	P.N.
6659	5x7 Goerz Dagor F:6.8 lens in Optimo shutter.....	34.50	P.N.
6660	3¼x4¼ Voightlander Skopar F:4.5 lens, 5¼" focus in cells.....	11.75	P.N.
6661	4x5 Graf Variable F:3.8, F:4.5 Anastigmat lens, No. 64, 7½-8½" focus	46.50	P.N.
6662	75MM B.&L. Tessar F:3.5 lens, focusing mount.....	22.50	P.N.
6663	5x7 Ilex Paragon lens in Bbl.....	29.50	P.N.
6664	2½x3½ Carl Zeiss Tessar F:6.3 Anastig. lens, 4¾" focus, Compur shutter	11.75	S.H.
6665	5x7 Ilex Paragon F:4.5 lens in Bbl.....	28.50	P.N.
6666	4x5 Goerz Dagor F:6.8 lens, Bbl. Iris Dia. 6" focus.....	18.75	P.N.
6667	5x7 Wollensak Ser. 11 F:4.5 lens, Betax shutter.....	29.50	P.N.
6668	8x10 Turner Reich Ser. 11 F:6.8 Convertible lens, Universal shutter....	76.50	P.N.
6669	6½x8½ B.&L. Zeiss Protar Convertible No. 12 lens, F:6.3 9½" focus, Volute shutter .....	82.75	P.N.
6670	8x10 Goerz Dagor F:6.8 lens, 12" focus, Acme shutter.....	79.50	P.N.
6671	8x10 B.&L. 1C Tessar F:4.5 lens in Bbl. with Iris Dia.....	97.50	P.N.
6672	Goerz Hypar F:3.5 lens, Bbl. 2" focus, Iris Dia.....	17.50	P.N.
6673	5x7 Velostig, Ser. 11 F:4.5 lens, 7¼" focus, Optimo shutter.....	34.75	P.N.
6674	5x8 Goerz Dogmar F:4.5 lens, 8¼" in Bbl. ....	48.50	P.N.
6675	4x5 B.&L. 1C Tessar F:4.5 lens in Bbl.....	24.50	P.N.
6676	5x7, 8¼" focus Goerz Celor F:4.5 lens, Bbl. Iris Dia.....	19.75	P.N.
6677	5x7 Kodak F:4.5 lens, 8½" focus, Bbl.....	38.50	P.N.
6678	8x10-12" focus, F:4.5 Wollensak Velostig. Ser. 11 lens in Bbl.....	77.50	P.N.
6679	6½x8½ Turner Reich Ser. 11 F:6.8 lens, 10½" focus, Convertible type Acme shutter .....	59.50	P.N.
6680	13" Cooke Process F:10 lens.....	67.50	P.N.
6681	5x7 Ser. 1 Velostig. F:6.3 lens, Optimo shutter.....	19.50	P.N.
6682	5x7 Wollensak Ser. 11 F:4.5 lens, Betax shutter.....	22.50	P.N.
6683	4x6 Schneider Xenar F:3.5 Anastig. lens, 8¼" focus.....	45.50	P.N.
6684	5x7 Ilex Paragon F:4.5 lens, Gen. shutter.....	31.50	P.N.
6685	11x14 Berthoit F:6.3 Anastig. 20" focus lens in Bbl. Iris Dia.....	57.50	P.N.
6686	3¼x5½ B.&L. Zeiss Tessar, 11B F:6.3 lens, Ilex Acme shutter.....	19.75	P.N.
6687	4x5 Schneider Xenar F:3.5 lens, Compur shutter.....	34.50	P.N.
6688	30" Wollensak Process F:16 lens, 20x24.....	149.50	P.N.
6689	8x10 Velostig. Ser. 1 F:6.3 lens, 12" focus, Betax shutter.....	47.50	P.N.
6690	5x7 Meyer Aristigmat F:6.8 lens, 7" focus in Bbl.....	17.50	P.N.
6691	18" Cooke Portrait lens, F:5.6 .....	179.50	P.N.
6692	4x5 Cooke Ser. 11 F:4.5 lens .....	37.50	P.N.
6693	16" Cooke Portrait lens, Ser. 11 F:4.5.....	179.50	P.N.
6694	5x7 Carl Zeiss F:3.5 Anastig. lens, 8¼" focus in Bbl. with Iris Dia.....	59.50	P.N.
6695	11x14 Turner Reich Ser. 11 F:7.5 lens, 15" focus, Betax shutter.....	115.00	P.N.
6696	8x10 Busch Omnar F:5.5 Anastig. lens, 13" focus, Volute shutter.....	46.50	P.N.
6697	6½" F:2.7 Carl Zeiss Tessar lens.....	69.50	P.N.
6698	6½x8½ Kodak Anastig. F:4.5 lens, Betax shutter.....	64.50	P.N.
6699	2¼x3¼ Dominar F:4.5 lens, 3½" focus, Compur shutter .....	14.50	P.N.
6699A	5x7 Wollensak Ser. 1V F:6.3 lens, Betax shutter.....	19.50	P.N.
6699B	8x10 Ilex Paragon F:4.5 lens in Bbl. ....	87.50	P.N.





# THE WÖRSCHING COUNTER-LIGHT CAPS

## Counter-Light Exposures,

that is, exposures against the light, belong to one of the most interesting and charming branches of the photographic art, the object to be photographed is here lighted from the side or the back and appears far more plastic than with the usual method of lighting, for the photographic black and white picture this plasticity is of especial value. Up to now it was not easy for the amateur to produce pictures of this kind, since the slightest ray of the sun falling through the photographic lens is reflected there and refracted innumerable times, the result

being a more or less foggy and flat negative.

With the invention of the **Worsching Counter-Light Cap**, photography against the sun, even at an acute angle, is mere child's play, the Counter-Light Cap, which protects the lens from all false light, can be fixed on any camera, even the smallest hand camera, by a single manipulation. The **Worsching Counter-Light Cap** is simply pushed over the front of the lens, like a color screen, it consists of three parts:

1. a cup shaped tube.
2. interchangeable rectangular stops, and
3. a sun cover or shade, which can be turned and moved in all directions.

The cup shaped tube serves to keep all reflected and false side light from the lens, at the same time it carries the hinged sun cover. The purpose served by the rectangular stops will be clear from the following considerations: Every photographic lens projects a circular picture, for instance, a lens f/4.5 with a focus of 15 cm projects a circle of light with about 30 cm diameter. A lens with this focus is, however, frequently used for a 9x12 cm camera, and the result is that a vast amount of false side light passes through the lens into the interior of the camera, all this extra light is of no use at all in producing the picture, on the contrary, it is reflected by the bellows or walls of the camera on the sensitive plate there producing fog and consequently flat negatives. All this false and reflected light cannot be seen on the focussing screen of the camera, so that the photographer has no means of gauging the amount of false light entering his apparatus.

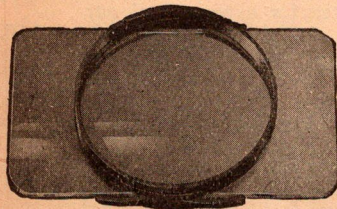
The rectangular stops, which are arranged in front of the lens, cut off all this unnecessary margin of false light and permit a rectangular pencil of rays to enter the camera only just the size required for the picture.

### PRICES OF WORSCHING COUNTER-LIGHT CAPS

Size	Lens Diameter	Price	Size	Lens Diameter	Price
0 a	24 mm.	\$2.50	II	37 mm.	\$3.60
0 b	24 mm.	2.50	II a	31-37 mm.	3.60
1 1/2	30 mm.	2.50	III	42 mm.	4.50
1 1/2 a	22-30 mm.	2.50	III a	38-42 mm.	4.50
1 1/2 b	32.8 mm.	3.00	IV	51 mm.	5.00
			IV a	40-51 mm.	5.00
50-60-70 mm.	\$12.00	PROFESSIONAL SIZES			
		80-90 mm.	\$15.25		
				100-110-125 mm.	\$17.75

## ORTHOPLAN Graduated Filters

Complete with REVOLVING HOLDER and CASE



This is two filters in one—because when filter is slid to one end it is a color filter and at the other a sky filter.

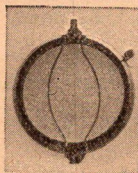
A Universal Filter for All Makes of Cameras **NEW LOW PRICES**

	M.M.	Filter Size Inches	Lens Mounts Fitted in Inches	List
1	25x45	1 x 1 3/4	3/4 to 1	\$4.00
2	30x55	1 1/8 x 2 1/4	7/8 to 1 1/4	4.95
3	40x70	1 1/8 x 2 3/4	1 1/8 to 1 3/8	7.90
4	45x75	1 3/8 x 3	1 1/4 to 1 3/4	8.25

## NEW Round Orthoplan

### UV RAPID FILTER

For STILL and CINE  
Cameras



Uniform pale-green optical glass throughout; ground optically flat and polished on both sides.

Absorbs **ULTRA VIOLET** Completely

Sky filter effects for cloud, snow and sea pictures at normal exposure, without adjustments to horizon line and **Without Prolonging Exposure.**

Furnished Complete in Self-Centering  
**RHACO SPRING HOLDER**

Order No.	Diameter mm	Inch	Fitting lens mounts	Price
6511	19	3/4	3/4 to 7/8	\$2.70
6521	25	1	3/4 to 1	3.60
6531	31	1 1/32	7/8 to 1 1/4	4.20
6541	39	1 17/32	1 1/8 to 1 3/8	4.80
6551	51	2	1 3/8 to 2	6.60



## Continued—ANASTIGMAT LENSES

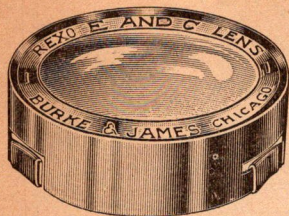
6699C	5x7 Goerz Dagor F:6.8 lens, 7" focus, Bbl. Iris Dia.....	29.50 P.N.
6699D	3¼x4¼ Carl Zeiss Protar F:6.3 Anastig. lens, 5" focus, Comb. 8¼x 8¼", Compur shutter .....	29.75 P.N.
6699E	6½x8½ Goerz Dagor F:6.8 lens, 8x9½" focus, Universal shutter....	57.50 P.N.
6699F	5x7 Velostig. Ser. 1V lens, F:6.3 in Auto shutter .....	18.75 P.N.
6699G	10x12 Cooke Ser. V11B Port. lens, F:5.6 in Bbl. Iris Dia. with diffusion 18" focus .....	165.00 P.N.
6699H	11x14 Ilex Paragon F:4.5 Anastig. lens, 15¼" focus in Bbl. with Iris Dia. ....	122.50 P.N.
6699I	3¼x5½ Carl Zeiss 1C F:4.5 lens, 6½" focus in Bbl.....	24.50 P.N.
6699J	4x5 6" Goerz Dogmar, F:4.5 in Bbl. ....	29.50 S.H.
6699K	6½x8½-9½" Goerz Dagor in Bbl. ....	62.50 P.N.
6699M	1⅞x1⅞ 2" Carl Zeiss Tessar F:3.5 in Bbl.....	19.50 P.N.
6699N	1½x2½ 3" Carl Zeiss Tessar F:3.5 in Bbl.....	23.50 P.N.
6699P	5x7 Cooke Anastigmat F:8 in Bbl. ....	14.50 P.N.
6699Q	7" Heliar F:4.5 in Compound shutter .....	47.50 P.N.
6699T	6" Aldis 4.5 in Sunk Mount .....	22.75 P.N.

RAPID RECTILINEAR, PORTRAIT, WIDE ANGLE AND  
TELEPHOTO LENSES

6700	15" Taylor Hobson Cooke Telephoto Anastigmat lens F:5.6.....	\$107.00 P.N.
6701	8x10 B.&L. Protar Ser. V Extreme W.A. lens F:18 in Bbl. Iris Dia. 7⅞" focus .....	22.50 P.N.
6702	6½x8½ Ideal Extreme Wide Angle lens in Bbl. Iris Dia.....	9.75 P.N.
6703	3¼x4¼ Kodak Anastigmat F:8.8 in shutter bulb and Instantaneous without dia. ....	2.45 P.N.
6704	8x10 Gundlach Perigraphic F:5.6 Convertible lens, 12" focus, Universal shutter .....	37.50 P.N.
6705	2¼x3¼ Radar Telephoto lens, 9" focus (4½" bellows) .....	42.75 P.N.
6706	5x7½ Carl Zeiss Protar Ser. V, Wide Angle F:18 5½" focus, Bbl. with Iris Dia. ....	22.75 P.N.
6707	8x10 Vitax F:3.8 Portrait lens, 16" focus with studio shutter .....	71.50 P.N.
6708	5x7 R.R. lens in Conley Automatic shutter .....	5.50 P.N.
6709	8x10 Rapid Rectilinear lens, F:8 in Bbl. Iris Dia. 12" focus.....	14.50 P.N.
6710	6½x8½ Wollensak Vesta F:5 Portrait lens in Bbl. with Iris Dia. 12" focus .....	22.50 P.N.
6711	6½x8½ New Ilex Portrait lens F:3.5 Bbl. Iris Dia. 13" focus.....	56.75 P.N.
6712	4¾x6½ Carl Zeiss Protar Ser. V, Wide Angle F:18 4½" focus, Bbl. with Iris Dia. ....	16.50 P.N.
6713	8x10 Struss Pictorial lens, F:5.5 in Bbl. Iris Dia. 18" focus.....	29.75 P.N.
6714	8x10 Graf Soft Focus lens, having two combinations, 14½" at F:4.5 and 17" at F:5 in Bbl. Iris Dia. ....	41.50 P.N.
6715	6½x8½ Spencer Portland lens, F:4.5 9" focus in Bbl. with Iris Dia....	21.50 P.N.
6716	4x5 R.R. lens for Enlargers in defective shutter for experimental purposes .....	3.50 P.N.
6717	3¼x5½ Carl Zeiss Tela-Tessar F:6.3 lens, 12½" focus. Bbl. with Iris Dia. ....	64.50 P.N.
6718	6½x8½ Verito F:4 lens, 11½" focus in Bbl.....	32.75 P.N.
6719	5x7 B.&L. Protar Ser. V, Extreme W. A. F:18 lens, 4⅞" focus, in Bbl. with Iris Dia. ....	17.25 P.N.
6720	5x7 Bausch & Lomb F:6.8 Telestigmat Telephoto lens 24" focus.....	87.50 P.N.
6722	5x7 Verito F:4 lens, 9" focus in studio shutter.....	24.50 P.N.
6723	8x10 Bausch & Lomb Plastigmat Portrait lens, F:5.6 18" focus, Bbl. Iris Dia. ....	51.75 P.N.
6724	5x7 Cooke Telar F:7 Telephoto lens 19¾" focus in Bbl. Iris Dia.....	77.50 P.N.
6725	5x7 Struss Pictorial F:5.5 lens, Bbl. without Dia. 12" focus.....	17.75 P.N.
6726	5x8 Rapid Convertible F:8 lens, 8½" focus, in Betax shutter.....	7.25 P.N.
6727	12x15 Dallmeyer Rapid Rectilinear in Bbl. Waterhouse stops 20" focus..	24.50 P.N.
6728	5x7 Ser. III Velostigmat F:9.5 Wide Angle lens, Bbl. Iris Dia.....	21.50 P.N.
6729	5x7 B.&L. Protar Ser. V, Wide Angle lens in Volute shutter.....	26.50 P.N.
6730	8x10 Wollensak Ser. III Extreme Wide Angle lens, F:12.5 in Betax shutter, 6¼" focus .....	22.75 P.N.
6731	6½x8½ Cooke Premo Plane F:6.5 Wide Angle, 6" focus lens, good for 8x10 Stopped down .....	24.75 P.N.



## The Ideal Enlarging and Copying Lens



The Ideal Enlarging and Copying Lens will enable those possessing cameras that are not long focus instruments to photograph small articles to their full size or even larger, if it is desired. It will be found invaluable for copying pictures, making lantern slides by reduction with a short bellows hand camera and photographing small objects.

Some idea of the value of this lens can be learned when two photographs taken with and without the lens are compared as to size. A 4x5 photograph when copied with an ordinary camera, will produce a picture about the size of

a postage stamp, and when our enlarging and copying lens is attached the photograph can be copied full size, or can be enlarged beyond its natural size.

The lens is mounted in a brass cell, polished and nickel plated, with adjustable springs so that it fits over the hood of the objective lens like a cap. Full directions are supplied with each lens.

No.	Inches in Diam.	Our Price	No.	Inches in Diam.	Our Price
0	7/8	\$0.90	8	1 3/4	\$2.25
00	1 1/8	1.12	9	2	2.70
1	1-5/16 (for 4x5 cameras)	1.35	10	2 1/4	3.15
3	For box cameras	1.35	11	2 1/2	3.60
4	1 7/8 (for 4x5 cameras)	1.67	12	2 3/4	4.00
6	1 1/2 (for 4x5 cameras)	1.80	13	3	4.50

## Ingento Color Filter

(WALLACE'S VISUAL LUMINOSITY.)  
A New Departure in Color Filters

The Ingento Color Filters were designed by Mr. R. James Wallace, F. R. A. S., A. A. P. S., instructor in Photophysics at the Yerkes Observatory of the University of Chicago. Mr. Wallace is well known as final authority on all matters pertaining to orthochromatic autography, his whole working lifetime having been devoted to research, demonstrating and teaching along this line. The "Ingento Series B" is the highest achievement in color filters, it having been originally designed for critical scientific use. In the possession of such a filter, you get the benefit of this experience, and get a color filter that is not approximately but absolutely correct.

The "Ingento Series B" is the most rapid in action of any accurately measured filter yet made. This permits its use on work where ordinarily the increase in exposure time necessary with any other "adjusted" filter would prevent its employment. This screen requires 3 times normal exposure. The style "A" Filter requires 3 times normal exposure.

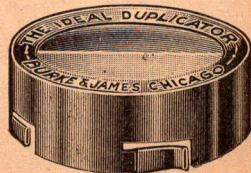
In nickel plated cells with rubber covered adjustable springs.

Style A			Style B		
No.	Our Price	Our Price	No.	Our Price	Our Price
No. 0, for No. 3 F. P. K.	\$0.68	\$0.90	No. 8, diameter 2 1/4 in.	\$2.92	\$3.37
No. 1, diameter 1/4 in.	1.12	1.35	No. 9, diameter 2 3/4 in.	3.15	3.82
No. 2, for box cameras	1.12	1.35	No. 10, diameter 3 in.	3.60	4.50
No. 3, diameter 1 1/8 in.	1.12	1.35	No. 11, diameter 3 1/4 in.	4.05	4.95
No. 4, diameter 1 1/4 in.	1.35	1.57	No. 12, diameter 3 1/2 in.	4.73	5.62
No. 5, diameter 1 1/2 in.	1.80	2.25	No. 13, diameter 4 in.	5.40	6.30
No. 6, diameter 2 in.	2.02	2.70	No. 14, diameter 4 1/4 in.	6.07	6.97
No. 7, diameter 2 1/4 in.	2.47	2.92			

## THE IDEAL DUPLICATOR

These Duplicators are fitted with adjustable springs, covered with rubber. They slip over the lens like a cap; made in all sizes to fit any lens.

By attaching the Duplicator to the lens of any camera, a person or persons can be photographed in two positions on the same plate, without showing any division line where the two exposures meet on the plate. Many humorous pictures can be obtained in this way. Two persons can be photographed on one plate without either one having seen the other. The duplicator can be turned around so that the image can be thrown on any part of the plate.



No.	Inches in Diam.	Our Price	No.	Inches in Diam.	Our Price
0	7/8	\$0.33	5	2	\$0.72
1	1 1/8	.43	6	2 1/4	.72
2	1 1/4	.43	7	2 1/2	.90
3	1 1/2	.58	8	2 3/4	.95
4	1 3/4	.58			



## Continued—RAPID RECTILINEAR, PORTRAIT, WIDE ANGLE AND TELEPHOTO LENSES

6732	9x12 CM Carl Zeiss Protar Ser. V Wide Angle lens, F:18 3 $\frac{3}{8}$ " focus Bbl. Iris Dia. ....	14.75 P.N.
6733	10x12 B.&L. Protar Ser. V Wide Angle lens F:18 8 $\frac{1}{2}$ " focus Bbl. Iris Dia. ....	32.50 P.N.
6734	Struss Pictorial lens with elements of 18"-12"-9" in Bbl. ....	39.50 P.N.
6735	6 $\frac{1}{2}$ x8 $\frac{1}{2}$ Gundlach Portrait lens F:6.5 in Bbl. ....	22.50 P.N.
6736	5x7 Bausch & Lomb Rapid Rectilinear in barrel without dia. ....	2.45 P.N.
6737	3 $\frac{3}{4}$ x4 $\frac{3}{4}$ Kodak Anastigmat F:8.8 in shutter with bulb and instantaneous, without dia. ....	2.45 P.N.
6738	4x5 Rapid Rectilinear lens, Auto shutter ....	6.50 P.N.
6739	5x7 Bausch & Lomb Rapid Rectilinear in Bbl. without Dia. ....	2.45 P.N.
6740	6 $\frac{1}{2}$ x8 $\frac{1}{2}$ Ser. VII Extreme Wide Angle lens, 5 $\frac{7}{8}$ " focus, F:9.5 Regno shutter ....	19.50 P.N.
6741	5x7 No. 2 B.&L. Telephoto Attachment will fit Protar or Tessar lens, 5x7 or 5x8 ....	15.00 P.N.
6742	5x7 Verito F:4 lens, 8 $\frac{3}{4}$ " focus in Bbl. Iris Dia. ....	23.75 P.N.
6743	10x12 R.&J. Beck R.R. lens, 16" focus in Bbl. Iris Dia. ....	16.50 P.N.
6744	2 $\frac{1}{4}$ x3 $\frac{3}{4}$ B.&L. Protar Ser. IV lens in Bbl. Iris Dia. 2 $\frac{1}{4}$ " focus F:12.5 ....	11.50 P.N.
6745	3 $\frac{3}{4}$ x4 $\frac{3}{4}$ Protar Ser. IV F:12.5 lens, Bbl. Iris Dia. 3 $\frac{7}{8}$ " focus. ....	12.75 P.N.
6746	8x10 Rapid Symmetrical F:8 lens, Auto shutter. ....	16.75 P.N.
6747	6 $\frac{1}{2}$ x8 $\frac{1}{2}$ Sereco Extra Rapid F:4 lens 14" focus in Bbl. with Iris Dia. ....	22.50 P.N.
6748	5x7 Pinkham Smith No. 1 Ser. IV Synthetic lens 10" focus. ....	16.75 P.N.
6749	3 $\frac{3}{4}$ x4 $\frac{3}{4}$ Verito F:6 Soft Focus lens in Auto shutter. ....	8.50 P.N.
6750	4x5 Ajax Portrait lens, F:5, 7" focus in Bbl. Waterhouse Stops. ....	5.75 P.N.
6751	12x15 B.&L. Sigmar F:4.9 lens in Bbl. Iris Dia. 22" focus. ....	135.00 P.N.
6752	14x17 Platyscope R.R. lens 20" focus in Bbl. Iris Dia. ....	18.75 P.N.
6753	8x10 Rapid Convertible lens, Unicum shutter. ....	14.75 P.N.
6754	9x12 CM Voightlander Dynar F:6.3 Telephot Cells, F:5.5, 10" focus will fit in Compur shutter in place of F:4.5 lens. ....	26.75 P.N.
6755	Pantratic Telephot lens for 4x5 or 5x7. ....	12.50 P.N.
6756	5x7 Vesta Portrait lens F:5 10" focus, Waterhouse Stops. ....	17.50 P.N.
6757	8x10 Verito F:4 lens, 14 $\frac{1}{2}$ " focus, Bbl. Iris Dia. ....	44.75 P.N.
6758	4x5 Ideal F:6 lens, Ser. D 6 $\frac{1}{2}$ " focus in Bbl. Iris Dia. ....	9.50 P.N.
6759	6 $\frac{1}{2}$ x8 $\frac{1}{2}$ Voltas F:8 Convertible lens, Regno shutter. ....	12.75 P.N.
6760	8x10 Wide Angle F:16 lens in Bbl. with Waterhouse Stops 6 $\frac{1}{2}$ " focus. ....	8.50 P.N.
6761	4x5 Verito F:4 lens, Bbl. 7" focus. ....	17.50 P.N.
6762	14x17 Wollensak Velostigmat Ser. IIIA Extreme Wide Angle F:12.5, 9" focus Bbl. Iris Dia. ....	33.75 P.N.
6763	8x10 Photoplastic F:4.5 in Bbl. with Iris Dia. 16" focus. ....	54.75 P.N.
6764	8x10 Gundlach Achromatic Meniscus Portrait lens, F:6 in Bbl. Iris Dia. 15" focus ....	23.50 P.N.
6765	8x10 B.&L. Ser. IV Zeiss Protar Medium Wide Angle Anastigmat lens, F:12.5, 7 $\frac{1}{8}$ " focus ....	19.35 P.N.
6766	5x7 Perigrphic Convertible F:5.6 lens, 8" focus, shutter. ....	21.50 P.N.
6767	8x10 Wollensak Wide Angle lens F:16 Bbl. Iris Dia. 7 $\frac{1}{2}$ " focus. ....	12.75 P.N.
6768	5x7 Meyer F:9 Extreme Wide Angle Aristostigmat lens with Compur shutter and Bbl. 4 $\frac{3}{4}$ " focus. ....	29.50 P.N.
6769	6 $\frac{1}{2}$ x8 $\frac{1}{2}$ B.&L. Protar Ser. V, Extreme Wide Angle lens Bbl. Iris Dia. 5 $\frac{1}{8}$ " focus F:18 ....	19.75 P.N.
6770	5x7 Planatograph F:8 lens, B.&L. Auto shutter. ....	9.50 P.N.
6771	5x7 Vitax Portrait F:3.8 lens, 10" focus, Diffusion control knob in Bbl. with Iris Dia. ....	43.75 P.N.
6772	4 $\frac{3}{4}$ x6 $\frac{1}{2}$ Schneider Xenar F:5.5 Telephoto lens, 11 $\frac{3}{4}$ " focus in Bbl. Iris Dia. ....	38.75 P.N.
6773	5x7 Kalosat B. F:4.5 lens, 9" focus, 12 $\frac{1}{2}$ " in Bbl. Iris Dia. ....	24.75 P.N.
6774	11x14 Verito F:4 lens, 18" focus, Bbl. Iris Dia. ....	59.75 P.N.
6775	9x12 CM Schneider Tele-Xenar F:3.5 lens, in cells 9 $\frac{1}{2}$ " focus, fits Compur shutter with F:4.5. ....	24.75 P.N.
6776	8x10 Rapid Rectilinear lens, F:8 in Bbl. Iris Dia. 12" focus. ....	11.50 P.N.
6777	10x15 CM Plaubel Telepeonar Telephoto lens F:6 (older model) ....	19.50 P.N.
6778	8x10 Radar Extreme Wide Angle lens, F:16, 6 $\frac{1}{4}$ " focus Betax shutter ....	24.75 P.N.
6779	9x12 CM Plaubel Anastigmat lens, Telepeonar, Base Speed F:3 up to 8 magnifications ....	29.75 P.N.
6780	12" Cooke F:5.6 Telephoto lens for use on either 3 $\frac{3}{4}$ x4 $\frac{3}{4}$ or 4x5. ....	69.50 P.N.
6781	12" Dallmeyer Telephoto F:4.5 for 3 $\frac{3}{4}$ x4 $\frac{3}{4}$ or 4x5. ....	74.50 P.N.



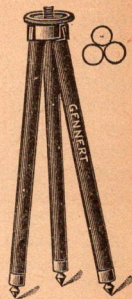
# CENTRAL METAL TRIPOD

## FITS ALL CAMERAS (UNIVERSAL)

This is a tripod we can highly recommend for the smaller types of Cameras. It is light in weight, compact and rigid, features which are most essential. Entirely made of metal with telescoping sections.

	Sections Closed	Length Extended	Weight	Our Price	
No. 1....	3	15½ in.	39½ in.	15 oz.	\$1.95
No. 2....	4	15 in.	48½ in.	25½ oz.	2.65
No. 3....	5	13½ in.	58 in.	25 oz.	3.95
Canvas Carrying Case.....					.95

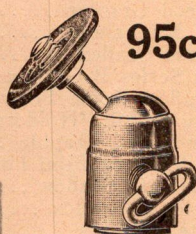
Now  
Only  
**\$1 95**



## Central M. Q. Developer

Made from the finest chemicals highly concentrated making 10-12 ozs., of developer for any developing paper and 12 ounces for plates or Film, in Glass tubes.

6 for .....	\$0.25
3 Doz. tubes .....	1.35
6 Doz. tubes .....	2.55
12 Doz. tubes .....	4.75



**95c**

## CENTRAL TILTING TOP

The Central Tilting Top is small all metal head. The camera can swing and be moved to any angle and then tightened and held at that spot. This little head is strong enough for 2¼x3¼ cameras or smaller.

Price .....	\$0.95
Larger and stronger tilting top for 9x12 cm. cameras or larger.....	1.35

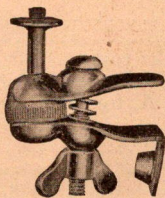
## THE OPTIPOD

Here is a neat little device—a combined tripod head and felt-lined clamp—that is frequently used instead of a tripod and, in many cases, in conjunction with that larger support.

Used alone the Optipod clamps to any shelf, table, window ledge, running board or other support, and holds the camera firmly while the exposure is being made. It fits any standard tripod socket. It is small and light, and slips readily into the pocket.

The ball and socket joint is a great convenience since it permits tilting the camera to almost any angle. It is especially valuable when the Optipod is used in connection with a tripod to photograph subjects which are at close range or otherwise so situated that it is impossible to place the tripod alone in the desired position.

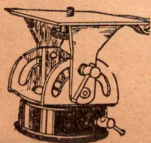
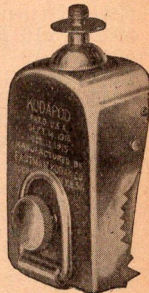
The Optipod .....\$1.22



## THE KODAPOD

The little Kodapod is an exceedingly handy arrangement, particularly suited for use in place of a tripod in outdoor photography. The toothed jaws at one end firmly grip tree, fence or other wooden object, while the other end threads into any standard tripod socket. A clamping screw adjusts the camera to the correct horizontal or vertical position, where it is firmly held while the exposure is being made.

The Kodapod .....\$1.65



## TILTING TOP \$3.25

All metal tilting and panoram-ing top. Works fine with either movie or still cameras.

## FOREIGN SCREW

By the use of this screw any foreign make of Camera can be adapted so that an American-made Tripod can be used and vice versa.

Price .....\$0.25



## MISCELLANEOUS SUPPLIES

6901	2¼x3¼ Case for Graflex Jr. ....	4.75	P.N.
6902	5x7 Eastman Plate Developing Tank, adjustable .....	5.50	P.N.
6903	4x5 Graflex Plate Magazines .....	9.50	P.N.
6904	5x7 Graflex Plate Magazines .....	9.75	P.N.
6905	2¼x3¼ Case for R. B. Series B. Graflex .....	5.75	P.N.
6906	8x10 U. S. Jr. Stoneware Developing Outfit No. 3, 2x9x14½" .....	8.75	P.N.
6907	3¼x4¼ Graflex Plate Magazines .....	5.95	S.H.
6908	5x7 Graflex Plate Magazines .....	7.75	S.H.
6909	2¼x4¼ Case for 1A Graflex .....	3.50	P.N.
6910	4x5 Dallon Tank, Developing, Fixing, Washing one process .....	5.75	P.N.
6911	3¼x4¼ Graflex Plate Magazines .....	8.25	P.N.
6912	4x5 Graflex Plate Magazines .....	6.95	S.H.
6913	3¼x4¼ Case for Series B Graflex .....	6.75	P.N.
6914	5x7 Case for Auto Graflex .....	7.75	S.H.
6915	2¼x3¼ Graflex Plate Magazines .....	5.50	S.H.
6916	4x5 Graflex late Magazines .....	6.95	S.H.
6917	3¼x4¼ Case for R. B. Series B or D Graflex .....	8.50	P.N.
6918	4x5 Case for Speed Graphic .....	6.50	P.N.
6919	2¼x3¼ Graflex Magazines .....	7.75	P.N.
6920	5x7 Case for Press Graflex .....	9.50	P.N.
6921	3¼x4¼ Case for Series B Graflex .....	3.95	S.H.
6922	5x7 Case for Graflex Home Portrait .....	14.50	P.N.
6923	5x7 Graflex Plate or Film Holders .....	2.45	P.N.
6924	3¼x5½ Case for Speed Graphic .....	5.50	P.N.
6925	3¼x5½ Graflex Plate or Film holders .....	1.65	P.N.
6926	5x7 Case for Series B Graflex .....	8.50	P.N.
6927	4x5 Case for Series B Graflex .....	7.50	P.N.
6928	4x5 Graflex Plate Holders .....	1.85	P.N.
6929	3¼x5½ Case for 3A Graflex Roll Film .....	5.75	P.N.
6931	5x7 Case for Speed Graphic .....	8.75	P.N.
6932	3¼x4¼ Graflex Plate Holders .....	1.85	P.N.
6934	4x5 Case for R. B. Series B or D Graflex .....	8.75	P.N.
6935	2¼x3¼ Graflex Plate Holders .....	1.45	P.N.
6936	2¼x3¼ Graflex Cut Film Magazines .....	7.75	P.N.
6937	Lios Cine Exposure Motion Picture Meter .....	4.25	P.N.
6938	No. 3 Developing and Fixing Box, will hold 5x7 or 8x10 film hanger in Porcelain .....	2.95	P.N.
6939	Ideal Print Washer, Diameter 24" .....	11.75	P.N.
6940	4x5 Graflex Cut Film Magazines .....	9.50	P.N.
6941	Dremmeter, Regular price \$6.50 (works same as Justophot) .....	3.95	New
6942	8x10 Eastman Plate Tank, Reversible .....	5.75	P.N.
6943	8x10 REXO Developing Racks, style A, for 12 plates .....	1.95	P.N.
6944	5x7 Graflex Cut Film Magazines .....	9.75	P.N.
6945	B & H Photometer, regular price \$17.00 .....	9.75	P.N.
6946	14 Gal. Stoneware U. S. Tank, 9½x9x42" .....	13.75	P.N.
6947	3¼x4¼ Dallon Developing tank for Cut Film, Pack, plates .....	4.75	P.N.
6947P	New 5x7 Plate or film Holders made like the Eastman with metal tops and hard rubber slides .....	1.65	New
6948	2¼x3¼ Graflex Roll Holder .....	5.75	P.N.
6949	Westphalen Photo Electric Meter .....	14.50	P.N.
6950	3¼x4¼ Graflex Roll Holder .....	6.75	P.N.
6951	K-2¼x3¼ No. 1 Premo Film Pack Tanks .....	1.00	P.N.
6952	3¼x5½ (or smaller) Kodak Roll Film Tank 3½" .....	4.25	P.N.
6953	3¼x4¼ Plate Holders for Avus Camera .....	.65	P.N.
6954	3¼x5½ Graflex Roll Holder .....	5.75	P.N.
6955	2¼x3¼ Film Pack Adapter for Avus Camera .....	1.75	P.N.
6956	2½x4¼ Kodak Roll Film Tank, 2½" .....	3.45	P.N.
6957	6½x9 CM Plate holders for Avus Camera .....	.50	P.N.
6958	4x5 Graflex Roll Holder .....	7.75	P.N.
6959	9x12 Film Pack Adapter for Avus Camera .....	1.95	P.N.
6960	2¼x3¼ Eastman Roll Film Tank, 2¼" .....	2.25	P.N.
6961	6½x9 Plate Holders for Ica Ideal B .....	.45	P.N.
6962	5x7 Graflex Roll Holder .....	7.50	P.N.
6963	9x12 Plate Holders for Maximar B .....	.65	P.N.

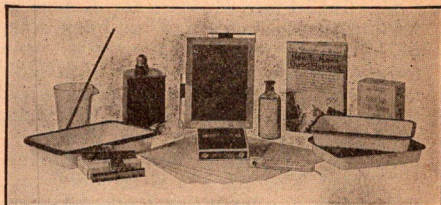


**All you need for the HOME DARKROOM**

Complete in every detail, Kodak Darkroom Outfit No. 1 furnishes everything anyone needs for developing roll film, cut film, film packs or plates, and for printing from the negatives.

It includes a book of instructions together with a copy of "How to Make Good Pictures."

Another valuable feature is a durable fibre case which may be used permanently to hold the outfit when not in use. Ask any of our salesmen to show you this kit the next time you stop in for a fresh supply of film. The cost is substantially less than if the various items were purchased singly.



KODAK DARKROOM OUTFIT NO.1, includes the following materials and equipment:

- |                                     |                                   |                                   |
|-------------------------------------|-----------------------------------|-----------------------------------|
| 2 4x6 Enameled Trays                | Film Developing Clips             | 6 Blotters—Size 9½x12 in.         |
| 1 5x7 Enameled Tray                 | 1 4-ounce Bottle Nepera Solution  | 5 Tubes Eastman Special Developer |
| 1 8-ounce Eastko Graduate           | 1 Kodak Auto-Mask Printing Frame. | 1 Pound Kodak Acid Fixing Powder  |
| 1 Stirring Rod, Eastman Hard Rubber | 1 Brownie Safelight Lamp          | 1 Instruction Book                |
| 1 Eastman Thermometer               | 1 10-watt Mazda Lamp              | 1 "How to Make Good Pictures"     |
| 1 Pair 3½-inch Eastman              |                                   |                                   |
| Price, with case .....              |                                   | \$8.75                            |

**CENTRAL OUTFIT NO. 2**

For 4x5, 3¼x5½ or smaller.

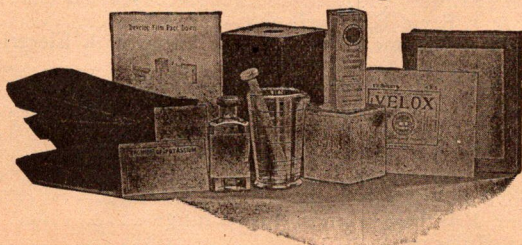
- |                             |  |                            |
|-----------------------------|--|----------------------------|
| 2—4x5 glass trays           | 6—tubes Montauk M. Q.                            | 1—copy "Perfect Negatives" |
| 1—5x7 glass tray            | 1—copy "Print Perfection"                        | 1—Ruby electric bulb.      |
| 1—4 oz. graduate            | 1—Auto-Mask printing frame with adjustable mask. | 1 lb. acid fixer.          |
| 2—3½" developing clips.     |  | 2 doz. 3¼x5½ or 4x5 azo    |
| Outfit No. 2, complete..... |  | \$5.25                     |

**CENTRAL OUTFIT NO. 3**

For 4x5, 3¼x5½ or smaller.

- |                              |                         |                          |
|------------------------------|-------------------------|--------------------------|
| 1—Ruby electric bulb.        | 1 lb. acid fixer        | Pictures"                |
| 3—4x5 glass trays.           | 6—tubes M. Q. Developer | 2—dz. Azo Develop. Paper |
| 1—4x5-3¼x5½ printing frame   | 1—"How to Make Good     | 1—4 oz. graduate. paper. |
| Outfit No. 3, complete ..... |                         | \$3.15                   |

**Developing and Printing Outfits**



Developing and printing is very simple and easy. The outfits to do this work are not expensive. By doing your own developing and printing the pleasure derived from photography is immeasurably increased.

- |  |                            |                        |
|--|----------------------------|------------------------|
| 1—4 oz. graduate.  | 5—tubes Special Developer. | 2—dz. Printing paper.  |
| 4—composition trays.                                     | ½ lb. Acid Fxer.           | 2—Oz. Nepera solution. |
| 1—instruction book                                       | 1—Kodak candle lamp.       | 1—printing frame       |
| Eastman 3A Outfit, complete (For 3¼x5½ or smaller) ..... |                            | \$1.95                 |
| Eastman ABC Outfit, complete (For 4x5 or smaller) .....  |                            | 1.95                   |



## Continued—MISCELLANEOUS SUPPLIES

6964	V.P. Kodak Roll Film Tank .....	2.15	P.N.
6965	6½x9 Plate Holders for Maximar A .....	.40	P.N.
6966	2¼x3¼ Graflex Film Pack Adapter .....	3.45	P.N.
6967	5x7 Graflex Focusing Panel .....	6.50	P.N.
6968	3¼x5½ Plate Holders .....	1.50	P.N.
6969	9x12 Plate Holders for Kawee 9x12 .....	.65	P.N.
6970	3¼x4¼ Graflex Film Pack Adapter .....	3.75	P.N.
6971	3¼x5½ Graflex Focusing Panel .....	4.50	P.N.
6972	5x7 Eastman Plate or Film Holders .....	1.85	P.N.
6973	4x5 Graphic Film or Plate Holders .....	1.65	P.N.
6974	3¼x5½ Graflex Film Pack Adapter .....	3.95	P.N.
6975	4x5 Graflex Focusing Panel .....	4.50	P.N.
6976	8x10 Seneca or Korona Holders .....	1.75	P.N.
6977	4x5 Korona Plate Holders .....	1.35	P.N.
6978	4x5 Graflex Film Pack Adapter .....	4.25	P.N.
6979	3¼x4¼ Graflex Focusing Panel .....	3.95	P.N.
6980	8x10 Eastman Plate Holder .....	2.25	P.N.
6981	5x7 Seneca or Korona Plate Holders .....	1.25	P.N.
6982	5x7 Graflex Film Pack Adapter .....	5.15	P.N.
6983	5x7 Graflex Roll Holder .....	4.75	S.H.
6984	8x10 Eastman Plate Holder .....	2.05	P.N.
6985	5x7 Graphic or Korona Film Holder .....	1.45	P.N.
6987	3¼x5½ Graflex Roll Holder .....	4.75	S.H.
6988	6½x8½ Seneca Plate Holder .....	1.00	S.H.
6990	3¼x4¼ Graflex Roll Holder .....	5.25	S.H.
6991	4x5 Graflex Roll Holder .....	5.50	S.H.
6992	6½x8½ Graphic Plate Holder .....	1.65	P.N.
6994	No. 5 Packard Shutter 2½" for time exposure .....	4.25	P.N.
6995	No. 2 Iris Flange, opens 3½" .....	4.25	P.N.
6996	10" Deckle Edge Trimmer .....	9.00	New
6997	8x10 Washing Tank, Special .....	3.95	P.N.
6998	No. 6 Packard shutter 2¾" for time and inst. ....	4.35	P.N.
6999	Willo Drying Press, complete with blotter .....	4.95	P.N.
6901A	12" Metal Trimmer .....	8.75	P.N.
6902A	11x14 Ingento Plate Washer .....	5.75	P.N.
6903A	Hyde Exposure Meter .....	2.25	S.H.
6905A	5x7 Professional Printing Frame .....	.95	P.N.
6906A	8x10 Eastman No. 4 Film Hangers .....	.55	P.N.
6907A	Bewi Sr. Exposure Meter .....	7.50	P.N.
6908A	Testrite Reflector Battery for Double Flash Bulbs; New \$7.50, Special .....	4.95	New
6910A	8x10 Eastman No. 2 Film Hangers .....	.45	P.N.
6911A	8x10 Professional Printing Frame .....	1.45	P.N.
6912A	No. 2 Halldorson Home Portrait Flash Lamp .....	23.75	P.N.
6913A	8x10 Crown Printer .....	42.50	P.N.
6914A	6½x8½ B. & J. Style E. Developing Tanks .....	2.75	P.N.
6916A	No. 3 Halldorson Home Portrait Flash Lamp with Electric Ignition .....	29.50	P.N.
6917A	4x5 Kodak Amateur Printer with Masking Device .....	6.50	P.N.
6918A	7x11 Eastman No. 2 Developing Hangers .....	.45	P.N.
6919A	4x5 Professional Heavy Printing Frame .....	.45	P.N.
6920A	Victor Open Electric Hand Flash Lamps; Special .....	4.95	P.N.
6921A	5x7 Ansco Printer .....	9.75	P.N.
6922A	3¼x4¼ No. 2 Film Pack Tank .....	2.25	P.N.
6923A	4x5 Amateur Printing Frames, Piano hinge .....	.15	P.N.
6926A	Zeiss Mirax Enlarger .....	13.50	P.N.
6927A	3¼x5½ Amateur Printing Frames, Piano hinge .....	.15	P.N.
6929A	5x7 Kodak Service Printer with Register .....	29.75	S.H.
6930A	5x7 Eastman Horiz. Enlarger, 10" Condensing Lenses, 1000 Watt Nitro Bulb, Focusing Platform .....	57.50	P.N.
6931A	R.O.C. Retouching Desk .....	3.75	P.N.
6932A	Victor Flash Gun 10", a sure fire, compact .....	4.50	P.N.
6933A	Century Folding Retouching Frame .....	3.25	P.N.
6934A	2¼x3¼ Brownie Enlarger for 5x7 Enlargements .....	3.25	P.N.
6935A	AnSCO Memo Enlarger .....	19.50	P.N.



# AND NOW MICROGRAIN "85"

## The Finest of Fine Grain Developers

at

## NEW LOW PRICES

8 oz. Bottle .....	\$0.65
16 oz. Bottle .....	1.10
32 oz. Bottle .....	1.90
64 oz. Bottle .....	3.50

Films developed with Micrograin "85" can be enlarged up to 85 diameters without showing signs of grain. This seems unbelievable but it is true and makes no difference whether the film be Super Panchromatic, Regular Panchromatic or Orthochromatic. Think of it, from film of 1"x1½", enlargements 7 feet x 12 feet, or, of course any size smaller that you would prefer, can be made.



### *Listed Below are Other Features that Make Micrograin "85" the Finest of Developers*

- It requires no increase in picture exposure.
- It is supplied ready for use—no mixing necessary.
- It has indefinite keeping qualities.
- It can be used under varying degrees of temperature with equal success.
- It may be used with any type of film.
- It is the simplest of all developers to use.
- Fifteen rolls of Leica, 25 rolls Vest Pocket or 18 rolls 2¼x3¼ film can be developed with one 32 oz. bottle, using the complete time and temperature table supplied. Developing each film at a minimum cost for fine grain development.
- It produces incomparable results.



**Micrograin "85" A Product of the Photo-Research Laboratories**



## Continued—MISCELLANEOUS SUPPLIES

6936A	Halldorson Electric Dome for use with 1,500 Watt Lamp .....	11.25	P.N.
6937A	5x7 Elwood Special with 250 Watt bulb (could use 300 W.) .....	42.50	P.N.
6938A	5x7 B & J Enlarger with 9" Condensing Lenses, 100 Watt bulb ..	52.50	P.N.
6939A	2¼x3¼ Brownie Enlarger for 3¼x5½ Enlargements .....	3.25	P.N.
6941A	Kodak Negative Holder for Eastman Enlarger .....	1.25	P.N.
6942A	Sunny Twin Arc Lamp, 3000 Watt, Complete with stand .....	14.75	P.N.
6943A	Eastman Studio Scale, Avoirdupois .....	3.25	P.N.
6944A	4x6 Kodak Auto Focus Enlarger with 200 Watt Bulb .....	23.50	P.N.
6945A	5x7 Elwood Studio Enlarger, 100 Watt bulb (could use 200) ....	21.75	P.N.
6949A	3A Brownie Enlarger for 7x11 Enlargements .....	4.75	P.N.
6950A	20" Eastman Metal Trimmer .....	16.75	P.N.
6961A	Eastman Amateur Printer .....	6.75	P.N.
6962A	No. 5 Packard Shutter 1¼" for time exposure .....	2.95	P.N.
6963A	No. 2 Korona Studio Stand .....	11.50	P.N.
6964A	2" Steel Cutter (weight at end of blade for easy cutting) .....	22.50	P.N.
6965A	4" No. 6 Packard Shutter .....	5.50	P.N.
6966A	1 Pr. 4½" Condensing Lenses, Unmounted .....	1.95	P.N.
6965A	Special 60 MM x 80 MM Agfa Filter Nos. 10, 11, 16, 15, without holder, Each .....	1.45	P.N.
6966A	4x5 Kodak Film Pack Adapter .....	1.45	P.N.
6967A	Kodak Sky Filter Nos. 0, 1, 2, Each .....	.45	P.N.
6968A	3½" No. 8 Packard Shutter for time and inst. ....	5.75	P.N.
6969A	Wratten 4" Sq. Filter G, K1, K3, in B. Glass, Unmt. ea. ....	6.75	P.N.
6970A	3¼x5½ Kodak Film Pack Adapter .....	1.45	P.N.
6971A	Kodak Sky Filter Nos. 5, 6, 7, Each .....	.75	P.N.
6972A	5x7 Condensing lenses, Unmounted .....	14.50	P.N.
6973A	3⅞" Lux Behind the lens shutter .....	9.95	P.N.
6974A	5x7 Kodak Film Pack Adapter .....	1.65	P.N.
6975A	4" No. 6 Packard Shutter .....	5.50	P.N.
6976A	8x10 Pair 14" Condensing lens, unmounted .....	44.50	P.N.
6977A	8x10 Reducing Back for 4x5 Plates .....	5.75	P.N.
6978A	3¼x4¼ Kodak Film Pack Adapter .....	1.10	P.N.
6979A	3½" No. 5 Packard Shutter, for time exposure .....	4.50	P.N.
6980A	No. 2 Optimo Shutter from 1 to 1/300th part .....	8.75	P.N.
6981A	8x10 Krauss Metal Masking Easel with Adjustable Masking Bands .....	9.50	P.N.
6982A	8x10 Back for 8x20 Korona Banquet Camera .....	11.50	P.N.
6983A	2½" No. 6 Packard Shutter, for time and instantaneous .....	4.75	P.N.
6984A	1½" Packard Shutter No. 6 for time and inst. ....	3.65	P.N.
6986A	45x107 Stereoscope, Mahogany finish .....	2.75	P.N.
6987A	5x7½ Seneca Focal Plane Shutter, older model, with adjustable curtain .....	16.50	P.N.
6988A	45x108 Verascope Plate Magazine .....	18.75	P.N.
6989A	Colored Box No. 2A Brownie .....	1.75	S.H.
6990A	8x10 Seneca Focal Plane Shutter .....	18.75	P.N.
6991A	6½x8½ Seneca Focal Plane shutter, out of order .....	11.50	S.H.
6992A	10x10 Ilexpo Shutter for Studio Camera .....	14.50	P.N.
6993A	E. K. Tilting Stroll .....	1.50	S.H.
6994A	3¼x5½ Combination Plate Attachment for 3A special .....	3.25	P.N.
6995A	4x5 Seneca Focal Plane Shutter, will fit Seneca Camera .....	11.75	P.N.
6996A	No. 2½ Ideal Wooden Tripod .....	3.25	S.H.
6997A	No. 3 Compound Shutter .....	12.50	P.N.
6998A	3¼x5½ Combination Plate Attachment for 3A Reg. ....	3.80	P.N.
6999A	6½x9 Ica Palmas Double Plate Holder .....	2.75	P.N.
6901L	No. 1 Combination, 3 fold Tripod .....	3.65	P.N.
6902L	11x14 Century Centennial Stand 2A .....	37.50	P.N.
6903L	3¼x5½ Combination 3A Back Plate Holder .....	1.10	P.N.
6905L	3 Section Metal Tripod, regular price \$2.35, Special. ....	1.75	New
6906L	No. 1 Crown Tripod .....	7.50	P.N.
6907L	1000 Watt Halldorson light Complete with carrying case and 1000 Watt Bulb .....	22.50	P.N.
6908L	Color Plate Holders for Ica Ideal A. ....	1.35	P.N.
6909L	F & S Compact Studio Stand .....	12.75	S.H.
6910L	No. 2 Kodak Metal Tripod, 5 sections .....	3.25	P.N.
6911L	11x14 Korona Reducing Back for 8x10 Holders .....	11.50	P.N.



# Unbreakable Focusing Screens

Type 1

ONE SIDE FROSTED

Type 2

BOTH SIDES FROSTED

To Avoid Interfering Reflections

CM.	INCHES	PRICE	
		No. 1	No. 2
4.5x6	1¾x2¾	\$ .15	\$.25
6.5x9	2½x3½	.25	.30
9x12	-----	.30	.40
-----	4x5	.30	.40
10x15	4x6	.50	.60
-----	5x7	.70	.90

# Gravure Brown Developer

Develops prints a beautiful rich brown or sepia tone. Necessitates no special handling.

For brown tones—use 1 part to 2 parts water.

For Dark Sepia—use 1 part to 8 parts water.

For Art Gravure—use 1 part to 12 parts water.

Longer or shorter exposure with the use of a weaker or stronger solution containing a small quantity of 10%. Potassium Bromide will give a complete range of tones from rich dark brown to art gravure effects.

- 4 oz. ....25c
- 8 oz. ....35c
- 16 oz. ....60c

NOW YOU CAN PRINT YOUR OWN FAVORITE NEGATIVES

ON

SCARFS — HANDKERCHIEFS — CUSHION TOPS — ETC.

USE

# LEROITYPE SENSITIZER

This new Leroitype Sensitizer opens up a field of photography that in the past, because of its difficulty in handling, was seldom made use of.

It is now easy to print your negatives onto all kinds of cloth, fabrics, papers and even onto wood. It requires no experience, nor any special apparatus.

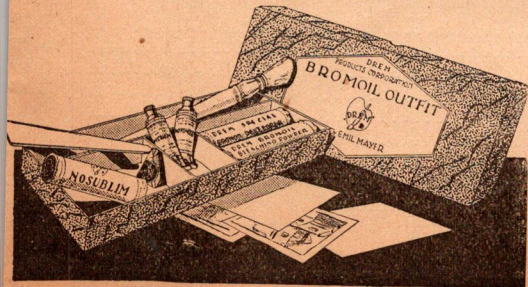
The sensitizer is poured onto the surface that is to be printed, the exposure is made either in sunlight or under photo light or any high powered bulb, the exposure requires about 6 minutes. This is then developed and then fixed.

The finished print is permanent and cannot be washed out. We have tested and tried Leroitype and fully guarantee it. One bottle will print about 36 handkerchiefs.

Price, per bottle .....\$1.00

## TRIAL OUTFITS for Bromoil Printing

To facilitate the first trials of beginners, or to acquaint Bromoil workers with Drem appliances, handy outfits are available in suitable cartons, containing:



Brush No. 8, Tube of Black Pigment, Spreader, Tube of Drem Medium, Tube of Novo Medium, 2 cartridges of Bleacher, Cartridge of Special Developer, Piece of Mastic Rubber, One Bromide for Illustration, and One bleached Print, 3x4".

Trial Outfit, each .....\$4.95



## Continued—MISCELLANEOUS SUPPLIES

6912L	Treepods, a rigid camera support .....	.75	New
6913L	No. 1 Korona Folding Studio Stand .....	8.50	P.N.
6914L	No. 2½ 5x7 Ideal Combination Tripod (for 5x7 camera) .....	4.45	P.N.
6915L	Ideal Posing Chair .....	9.75	P.N.
6916L	Compact Hand Model American Visible Automatic Numbering Machine .....	6.50	P.N.
6917L	No. 4 Crown Tripod .....	8.75	P.N.
6920L	1x69 Zeiss Distar Telephoto lens, will fit over any lens 69 mm. outside diameter .....	6.00	P.N.
6921L	Wratten 1" sq. Filter K1, K2, K3, in B Glass, unmt. ea. ....	1.00	P.N.
6923L	Wratten 1½" Dia. Filter K3, G, C, in B Glass, mounted in metal cell, each .....	3.00	P.N.
6924L	2x37 Zeiss Proxar Wide Angle, will fit over any lens 37 MM outside diameter .....	3.25	P.N.
6925L	No. 3 Wollensak Telephoto lens, fits lens 1⅞, 1 4/16" .....	2.00	P.N.
6926L	4x5 Cases for Plate Camera .....	2.25	P.N.
6927L	No. 3 Wollensak Telephoto lens, fits lens 1⅞, 1 4/16" .....	2.00	P.N.
6928L	1x57 Zeiss Proxar Wide Angle, will fit over any lens 57 MM outside diameter .....	5.75	P.N.
6929L	Wratten 2½" Dia. Filter K1, A, in B Glass, Mtd. in metal cell, Each .....	4.00	P.N.
6930L	9x12 Avus Cases for Film Pack Camera .....	3.25	P.N.
6931L	No. 1 Wollensak Telephoto Lens. Fits 1⅝x1⅜" .....	1.50	P.N.
6933L	Wratten 3" Dia. Filter K1, K2, in B Glass mtd. in metal cell, Each .....	5.00	P.N.
6934L	6½x9 CM Avus Cases for film pack camera .....	2.75	P.N.
6935L	Wollensak Supplementary Wide Angle lenses: No. 1 (1⅝x1⅜) \$1.50; No. 2 (1⅞x1⅞) \$1.75; No. 3 (1⅞x1 4/16) \$2.00; No. 4 (1 13/16x2") .....	2.50	P.N.
6936L	5X Zeiss Optical Filter, fits over any lens 30 MM outside diameter .....	2.50	P.N.
6937L	Wratten 2¾" Dia. Filter K1, K3, A, in B Glass, mtd. in metal cell, Each .....	4.00	P.N.
6939L	No. 5 Artograph Soft Diffusion Screen 5" Diameter .....	5.45	P.N.
6940L	5X Zeiss Optical Filter, fits over any lens 37 MM outside diameter .....	2.50	P.N.
6941L	Wratten 2" Dia. Filter K1, K2, K3, A. B. C. Mtd. in metal cell, Each .....	3.00	P.N.
6943L	V. P. Carrying Cases for Roll Film Cameras .....	.75	S.H.
6945L	Wratten 1¾" Dia. Filter G. K2, K3, mtd. in metal cell, each .....	2.15	P.N.
6946L	5X Zeiss Optical Filter, fits over any lens 42 MM outside diameter .....	3.00	P.N.
6947L	2¼x3¼ Roll Film Carrying Cases; specify make of camera .....	1.25	P.N.
6950L	Ducar Zeiss Optical Filter, fits over any lens 32 MM outside diameter .....	2.75	P.N.
6951L	Ducar Zeiss Optical for Agfa Color Plates, fits over any lens, 37 MM outside diameter .....	3.00	P.N.
6952L	3¼x5½ Roll Film Carrying Cases, specify make of camera .....	1.95	P.N.
6953L	2½x4¼ Roll Film Carrying Cases, specify make of camera .....	1.25	P.N.
6954L	3¼x4¼ Roll Film Carrying Cases, specify made of Camera .....	1.95	S.H.
6955L	Graflex Focusing Panel .....	5.75	S.H.
6956L	No. 9 Wollensak Telephoto lens, fits lens 3⅞, 4⅛" .....	4.50	P.N.

## SPECIAL OFFER ON STORE SAMPLES

(None of the following merchandise has been used except for Demonstration purpose).

6901X	9x12 CM Dallon tank .....	7.25
6902X	3¼x4¼ Dallon tank .....	6.95
6903X	2¼x3¼ Dallon tank .....	6.25
6904X	2¼x3¼ Correx Developing tank .....	8.50
6905X	1½x2½ Correx Developing tank .....	8.00
6906X	Largodrem meter .....	7.95
6907X	5x7 Elwood Studio Enlarger .....	23.50
6908X	Tele Bewi meter complete for exposure and Distance Finding .....	11.95
6909X	Bewi Senior Exposure meter .....	8.75
6910X	5x7 Central Printer complete with automatic masking device .....	8.75
6911X	No. 1 Crown tripod .....	8.50
6912X	Vest Pocket Beda Lux tank .....	6.75





## NEW NOGRAIN DEVELOPER

### 35c PER CAN

Here is a new fine grained developer—an ideal solution because it is easy to use and requires dilution in water only. It may be kept for a long period of time, and can be used over and over again.

The contents of the bottle are dissolved in 26 oz. of water. Development is carried out for 20 minutes at 65 degrees.

Will not fog.

### QUICK DRYER

After bathing in this solution negatives may be dried in five minutes.

May be used for plates, films, lantern slides, and prints.

The most concentrated solution of this kind; same solution may be used repeatedly.

Price, 4 oz. bottle .....48c

### REDUCER

#### TO INCREASE CONTRAST

For all negatives that are dense and lack contrast due to over-exposure. Works clean and rapid. Will not stain. Makes flat, slow printing negatives into negatives with proper scale of gradation with finer details retained.

4-oz. bottle, makes 32 to 40 ounces..25c

8-oz. bottle, makes 64 to 80 ounces..35c

### LENS

#### CLEANSER AND POLISHER

Photographic and other fine lenses require cleaning often to give the best results. Dust and other foreign matter will gather on lenses and a "blume" often forms on the exposed surfaces, that materially affects the fine gradation of the lens image.

Lenses are easily scratched and should never be wiped off or cleaned with ordinary cloth or paper. One scratch may ruin a fine expensive lens.

VereBest Lens Cleaner and Polisher is a complete outfit, containing everything necessary to put and keep lenses in perfect condition, without any possible harm or injury to either lens or mounting.

Each outfit includes a bottle of cleaning solution with which is incorporated a polishing ingredient. This is applied to the lens with special swabs, allowed a few minutes to dry, wiped off with the specially treated Chamois and finished with JapSilk Tissue. Lenses treated as above will be bright and clean, with every trace of dirt and "blume" removed.

Each outfit consists of 1 bottle of Cleaning and Polishing Solution, 3 applicator swabs, 4 specially treated Chamois and 25 Lens Tissue.

Complete Outfit .....50c

### PRINT FLATTENER

#### ESSENCE

Photographic prints look best when they lay flat and Print Flattener makes old and new prints flat, to stay at.

Make a stock solution of 1 part of Print Flattener and 15 parts of water. This solution keeps indefinitely and can be used repeatedly until exhausted. Immerse prints for about 20 minutes for single weight, longer for double weight papers.

New prints can be placed directly in Flattener solution from wash water following developing and fixing. Dry prints should be first soaked in water until limp. After soaking prints in Flattener solution as noted above, remove, mop or squeeze off surplus solution and dry prints face down on clean muslin or blotting paper.

After Flattening treatment, prints on Matte and rough surface papers will show a marked improvement in details in shadows and Bromide paper prints and enlargements will have that brilliant finish they had in the wash water, but, which disappeared when they were dry.

4 ounce bottle.....35c      8 ounce can.....60c

### RAPID DESENSITIZER

Most workers prefer to follow the progress of development of their negatives visually, but with Panchromatic and other ultra-fast plates and film this is practically impossible even with the aid of efficient safe lights. A two to three minute immersion in Rapid Desensitizer before placing film or plates in the developing solution makes it possible to finish development in an orange light that is safe for bromide papers. There is no danger of light or chemical fog. All eye strain is eliminated and the progress of development can be watched and controlled by the operator with perfect ease.

The use of Rapid Desensitizer increases brilliancy and clearness, as it acts similar to Bromide Potassium in ordinary developers. Rapid Desensitizer works efficiently with all non-staining developers. Not recommended for Pyro developers.

No. 1 bottle with dropper measure makes 96 ounces Desensitizer .....\$ .60

No. 2 bottle with dropper measure makes 1 1/2 gallons Desensitizer ..... 1.00



## NEW MONTAUK ACID FIXER

With  
8 COMPLETE FIXING BATHS

Each pound of this fine acid fixier has 8 separate containers each a complete acid fixing to be dissolved in 8 oz. of water. If a larger bath is wanted 2 containers make 16 oz. of solution and etc. In this way your fixing bath can be made in the quantities you want without any waste.

\$0.29 per Pkg.

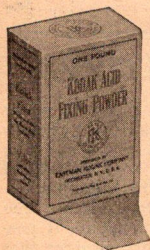
## CENTRAL HYPOSULPHITE OF SODA (Hypo)

This is a fine selected hyposulphite of soda, pea crystals, for fixing plates or paper. The crystals are pure, transparent, small and easily dissolved.

	Pea Crystals
Per pound box .....	\$0.10
Per 6-pound box .....	.40
Per 10-pound bag .....	.65
Per 25-pound pail .....	1.50
Per 100-pound keg .....	4.00
Per 5-100 pound kegs .....	3.85
Per 100-pound bag .....	3.95
Per 5-100 pound sacks .....	3.65
Per 10-100 pound sacks .....	3.45

## KODAK ACID FIXING POWDER

¼ pound carton .....	\$0.09
½ pound carton .....	.14
1 pound carton .....	.23
5 ¼ pound cartons .....	.40
10 ¼ pound cartons .....	.75
25 ¼ pound cartons .....	1.75
50 ¼ pound cartons .....	3.00
5 ½ pound cartons .....	.65
10 ½ pound cartons .....	1.15
25 ½ pound cartons .....	2.75
50 ½ pound cartons .....	5.15
5 1 pound carton .....	1.10
10 1 pound cartons .....	1.95
36 1 pound cartons (case) .....	6.35
108 1 pound cartons (3 cases) .....	16.50



## CENTRAL FIXING POWDER

Our own make—clear and fresh—always gives best results.

1 pound carton .....	\$0.21
5 1 pound cartons .....	.95
10 1 pound cartons .....	1.75
36 1 pound cartons .....	5.75
108 1 pound cartons .....	14.95
Special 1 10 pound carton .....	1.45



## Photographic Chemicals

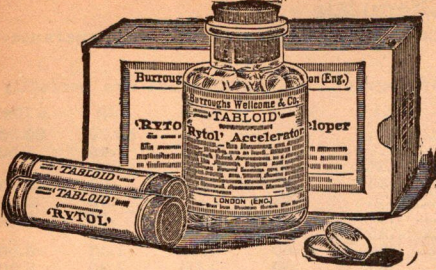
We carry a full stock of the purest Chemicals for Photographic use and guarantee them to produce the best results.

Prices subject to market fluctuations.

You will find that we carry a full stock of photographic chemicals that are perfectly fresh and dependable.

	1 oz.	¼ lb.	½ lb.	1 lb.	5 lbs.
Acid Acetic No. 8	Bottle	.....	.....	.....	.....
Acid Acetic Glacial 99%	Bottle	.....	.....	\$0.30	\$0.95
Acid Citric Powdered	Bottle	.....	.....	.45	1.50
Acid Muriatic, C. P.	Bottle	.19	.38	1.00	.....
Acid Nitric, C. P.	Bottle	.38	.48	.82	3.25
Acid Oxalic	Bottle	.17	.22	.50	2.25
Acid Phosphoric 50% Mall.	Bottle	.25	.35	.49	.68
Acid Pyrogallic Crystal Eastman	.....	.25	.60	1.00	1.90
Acid Pyrogallic Crystal (Mallinerodt)	.....	.25	.60	1.00	1.90
Acid Pyrogallic Resublimed (Mallinerodt)	.....	.27	.72	1.29	2.25
Acid Sulphuric	Bottle	.36	.43	.....	.82
Adural	Bottle	.55	1.90	3.38	6.20
Alcohol, Wood, 1 pt., \$0.50; 1 Qt., \$0.65; 1 Gal., \$1.35	.....	.....	.....	.....	.....
Aluminum Chloride	.....	.24	.....	.....	.....
Alum Ammonium	.....	.....	.....	.40	.....
Alum Chrome Crystals	Carton	.....	.....	.24	.95
Alum Powdered (Pure)	Carton	.....	.....	.15	.68
Amidol (Hauff's or Agfa)	Bottle	.55	1.90	3.38	6.30
Ammonia Liquid Conc.	Bottle	.....	.....	.....	30.00
Ammonium Bichromate	Bottle	.....	.33	.....	.54
Ammonium Bromide	Bottle	.....	.35	.....	.95
Ammonium Carbonate	Bottle	.20	.....	.....	.95
Ammonium Citrate	Bottle	.23	.....	.....	.50
Ammonium Iodide	Bottle	.65	2.10	.....	2.10
Ammonium Persulphate	Bottle	.17	.....	.72	7.26
Ammonium Sulphocyanate	Bottle	.24	.....	1.53	1.35
Athenon	Bottle	.62	1.89	.....	6.10
Barium Sulphate	.....	.....	.....	.32	1.35
Borax Powdered Pure	Carton	.....	.....	.29	.....
Copper Chloride (Pure)	Bottle	.20	.28	.....	.70
Copper Sulphate	.....	.....	.....	.....	.62
Elkonogen	.....	1.00	3.50	6.50	11.75
Edinol	.....	.72	2.50	4.75	9.00
Elon	Bottle	.48	1.20	2.30	4.15
Formaldehyde	Bottle	.17	.....	.....	.45
Gold Chloride	15 gr. Vial	\$0.72	.....	.....	.....
Glycin (Hauff's or Agfa)	Bottle	.55	1.90	3.38	6.30
Glycerin	.....	.25	.40	.75	1.45
Hydrochinone	Carton	.20	.58	.95	1.60
Iodine	Bottle	.38	2.40	.....	9.00
Iron and Ammonium Citrate (Green Pearls)	.....	.25	.40	.75	1.45
Iron and Ammonia Sulphate	Bottle	.17	.....	.....	.78
Kodalon (Eastman's)	Bottle	.38	1.40	.....	4.50
Lead Acetate	Bottle	.19	.....	.....	.63
Lead Nitrate	Bottle	.....	.....	.....	.72
Metol (Hauff's or Agfa)	.....	.50	1.68	2.93	5.40
Magnesium Powdered	Carton	.32	1.05	1.90	3.50
Magnesium Metal Impalpable Powder	1 oz.,	\$0.33; 4 oz., \$0.90; 1 lb., \$3.45	.....	.....	.....
Magnesium Ribbon	.....	.45	.....	.....	.....
Mercury Bichloride	Bottle	.27	.64	1.15	2.00
Ortol	Bottle	.55	1.90	3.38	6.30
Pictol	Bottle	.48	1.35	2.65	4.35
Potassium Bichromate	Bottle	.18	.....	.....	.36
Potassium Bromide Crystal	Can.	.14	.25	.38	1.48
Potassium Carbonate	Bottle	.....	.....	.24	.38
Potassium Caustic	Bottle	.....	.....	.....	.63
Potassium Ferricyanide	Bottle	.18	.38	.55	.98
Potassium Iodide	Bottle	.38	1.10	.....	3.70
Potassium Meta-Bisulphite	Bottle	.14	.24	.31	.50
Potassium Oxalate	Carton	.....	.30	.....	.85
Potassium Permanganate	Bottle	.19	.24	.36	.....
Potassium Phosphate	Bottle	.....	.....	.....	1.00
Potassium Sulphocyanate	Bottle	.35	.72	.....	2.45
Rodinol (Agfa)	3 oz.,	\$0.58; 8 oz., \$1.10; 16 oz., \$1.90	.....	.....	.....
Silver Nitrate	Bottle	.76	1.85	3.25	6.00
Sodium Bicarbonate	Carton	.....	.....	.....	.18
Sodium Bisulphite	Bottle	.14	.17	.24	.32
Sodium Carbonate	Bottle	.....	.....	.....	1.05
Sodium Citrate	Bottle	.22	.32	.....	.36
Sodium Carbonate	Carton	.....	.....	.....	.93
Sodium Caustic Sticks	Bottle	.33	.....	.....	.20
Sodium Hyposulphite	6 lb.,	.40	10 lbs., .65; 25 lbs., \$1.50; 100 lbs., \$4.00	.....	.60
Sodium Phosphate	Bottle	.....	.19	.....	.41
Sodium Sulphate	Carton	.....	.....	.....	.23
Sodium Sulphide	Bottle	.18	.33	.50	.82
Sodium Sulphite	Bottle	.....	.....	.....	3.85
Sodium Sulphite Dry	Carton	.....	.....	.....	1.18
Uranium Nitrates	Bottle	.55	.....	.....	.85





### "Tabloid" Photographic Preparations

Burroughs, Wellcome & Company line of Photographic products need no introduction. Their "Tabloid" brand of Photographic chemicals in tablet form are known wherever pictures are taken.

The absolute reliability of their products, the splendid results obtained, make the "Tabloid" developers and chemicals the choice of the world's greatest photographers.

We particularly recommend "Tabloid Rytol" as a universal developer without a peer, for tank or tray development. Works equally well with plates, films and papers.

### "Tabloid" Developers

	Our Price
"Rytol" the Universal developer.....	\$0.57
Rytol—large size, 4 times the above..	1.95
Tancol Developer .....	.57
Metal-Quinol Developer .....	.57
Hydroquinone (Quinol) Developer ..	.57
Metal Developer .....	.57
Pyro Soda Developer .....	.57
Pyro-Metol Developer (Imperial Stand-ard formula) .....	.57

### "Tabloid" Photographic Stains

	Our Price
"Soloid" Stain (Red) .....	\$0.33
"Soloid" Stain (Yellow) .....	.33
"Soloid" Stain (Green) .....	.33

### "TABLOID" TONERS

	Our Price
Copper Ferrocyanide Toner.....	\$0.48
Platinum Toning Compound .....	1.33
Blue Toner .....	.66
Green Toner .....	.66
Brown Toner .....	.66

	Our Price
Sepia Toner .....	.66
Gold Chloride with Sulphocyanide Com-pound (B6) .....	.66
Gold Chloride with Thiosulphate Com-pound Combined Bath (B-10).....	.66

### "TABLOID" CHEMICALS

	Our Price
Chromium Intensifier .....	\$0.33
Mercuric Iodide & Sodium Sulph. ....	.43
Bleaching Compound .....	.28
Ammonium Persulphate .....	.33
Potassium Ferricyanide .....	.33
Reversing Compound .....	.57
Colour Plate Intensifier .....	.68
Potassium Bromide, gr. 1 .....	.33

	Our Price
Sodium Citrate, gr. 1 .....	\$0.33
Ammonium Bromide, gr. 1 .....	.33
Sodium Carbonate, gr. 44 .....	.33
Sodium Sulphite, Dried, gr. 5 .....	.33
Potassium Metabisulphite, gr. 10.....	.43
Alum, gr. 10 .....	.33
Alum and Citric Acid Compound.....	.33
Sodium Thiosulphate (Hypo), Dried gr.	.43
Potassium Ammonium Chromate, gr. 24	.33

### "Tabloid" Photographic Outfit No. 907

#### CONTENTS

- 1 "Tabloid" Rytol Universal Developer.
- 1 "Tabloid" Desensitizer.
- 1 "Tabloid" Hypo.
- 1 "Tabloid" Chromium Intensifier.
- 1 "Tabloid" Sepia Toner.
- 1 "Tabloid" Potassium Bromide.
- 1 copy of the "Wellcome" Photographic Exposure Calculator Handbook and Diary.

Comes Packed in a Box Made of Metal.

#### PRICE

#### COMPLETE WITH CONTENTS

As Listed Above .....\$5.50

### "TABLOID" DESENSITISER

Abolish the Ruby Lamp and stuffy dark room and develop your plates or films as if they were gaslight prints.

The action of the Desensitizer is to remove a great proportion of the sensitiveness of the emulsion without destroying the latent image created by exposure.

Price .....\$0.57

### DESENSOL

A Desensitizer for White Light Development of Plates and Films Regular, Ortho, Panchromatic and Autochrome

Develop at six feet from ordinary 16 c. p. electric light.

4-oz. bottle .....\$0.50





# Retouching and Finishing for Photographers

By J. SPENCER ADAMSON

This book is written for professional photographers and keen amateurs who wish to know the latest methods and processes which are available for the retouching of photographic negatives and prints. The retouching of negatives and finishing photographs in monochrome and colour are important adjuncts to photography, particularly so in the field of professional portraiture. Affording a fair amount of scope for the expression of individuality calling for skill and knowledge, the work is really an art matter, one sympathetically responsive to the merits of artistic application. Over the long years of use no serious mechanical means has been devised to threaten abolition from the fields of handicrafts; and modernization, of course, has to be recorded, and it is with the modern aspect and principles of the work that this volume is arranged to deal.

Price .....\$1.25

## Retouching and Finishing Sets

The "President Set" is designed for Professional use and contains a better assortment than the Senator outfit. It has two Retouching Pencils of different grades, Tube of Retouching Medium, Etching Knife, Artist's Stump, Eraser, Two Spotting Brushes, Tube of Spotting Medium, Black Chalk in Cedar Handle, Black and White Chalks for Bromide Enlargements. All pencils, etc., of the best quality.

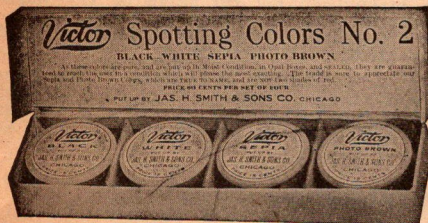
Per set .....\$1.45



## THE SENATOR

To meet the demand for a complete outfit for Retouching Negatives, Spotting Prints, or finishing Bromides, etc., we have put in a neat and convenient manner the "Senator Set" which comprises Retouching Pencil, Tube of Retouching Medium, Etching Knife, Spotting Brush, Tube of Spotting Medium, Black and White Chalk for Bromide finishing.

All materials have been especially selected to give the best results. Per set .....\$0.95



### Victor Spotting Colors

Furnish ideal color mediums for spotting or retouching photographic prints of all tones.

They are put up on celluloid sheets in very convenient form, and also in opal glass jars. Color is picked up direct from these sheets or jars by means of a moistened spotting brush. All the colors dissolve readily, and adhere perfectly when applied to the print.

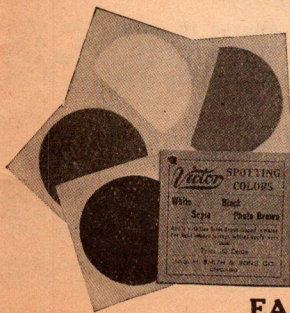
The color is put in the No. 2 size jars in moist condition and sealed in, so as to reach you in the best condition for use. Jars also protect colors from dust or contamination after being opened.

### PRICES

No. 0 Black, photo brown and sepia shades, per set.....	\$0.18
No. 1 Black, white, photo brown, and sepia, per set.....	.43
No. 2 Black, white, photo brown, and sepia, per set.....	.78
No. 2 Any single shade, each.....	20

### Eastman Spotting Colors

Prepared especially for prints and negatives. Four colors: Black, sepia and white. Price, per set.....\$ .23



### EASTMAN INDIA INK

Supplied in stick form for spotting negatives or prints. The ink is of the highest quality India Ink, per stick.....\$0.15





## Rubiline

A Varnish for Making Ruby Glass

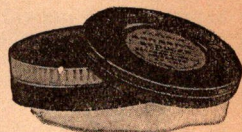
This preparation will be found practical and economical for making ruby glass, coating dark-room windows and incandescent lamps. It can be applied with a brush, without heat. It gives a safer light, with more illumination, than the ordinary ruby glass as it absorbs completely all of the actinic rays to which dry plates are sensitive.

Price per bottle .....\$0.48

## Eastman Abrasive Reducer

A finely ground abrasive in paste form that gives quick and satisfactory results in local reduction.

Eastman Abrasive Reducer is a local reducer, this preparation is without a peer. It is applied with a soft cloth or tuft of cotton. Its action is purely mechanical and is therefore entirely at the command of the operator at all times. By its use any portion of the negative may be reduced to the exact degree desired. It will be found indispensable for bringing up hair, draperies and the light portions of the picture. Put up in convenient tins. Price.....\$ .48



## Eastman Reducing Pencils

A new reducer that comes in pencil form and is used as a pencil and used for local reduction. Is extremely simple to use and does the work very efficiently.

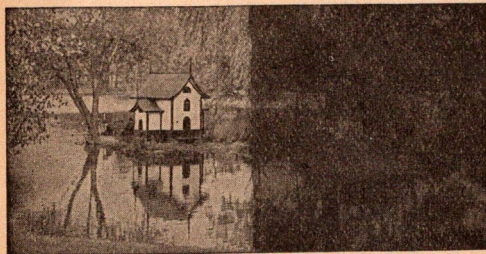
Eastman Reducing Pencils, each .....\$ .25  
Per Dozen ..... 2.25



## Agfa Reducer

Powder of excellent keeping qualities. Only requires dissolving in 10 parts of water. Remarkably uniform reduction. Easily controlled. Equally good for negatives, diapositives and bromide papers. Put up in practical form.

Original bottles, with screw-cap and measuring glass stopper, containing 100 grammes, \$0.85. Glass cartridges in boxes of 10, \$1.35. Each, \$0.15.



This part was intensified.

## Victor Intensifier

ONE SIMPLE SOLUTION

Will intensify very strongly, yet any degree of density can be given from very slight—produced in 2 or 3 seconds—to very strong, as shown above.

It can be applied locally with cotton to strengthen certain parts of the negatives.

It keeps indefinitely and can be used repeatedly until consumed.

PRICES—Powdered		Per Tube
No. 1 Powder, makes 4 oz.....		\$0.23
No. 2 Powder, makes 8 oz.....		.43
No. 3 Powder, makes 16 oz.....		.82

## Agfa Intensifier

(Mercury Preparation)

A liquid of good keeping qualities; to be diluted in proportion of 1 to 9 only. No subsequent blackening; intensifies in one operation. Also suitable for Diapositives and Collodion negatives. Extremely suitable for intensification of color plates, because action of intensifier is under direct control.

Made up in original bottles containing.

2 ounces.....	\$ .48	8 ounces.....	\$1.18
4 ounces.....	.73	16 ounces.....	1.73

### AGFA COPPER INTENSIFIER

Easy to use. No subsequent treatment necessary. Powder of good keeping qualities. May be used for toning pictures on development papers as well as diapositives. No poison certificate necessary for purchasing.

Original bottles, with screw-cap and measuring glass stopper, containing 50 grammes. Glass cartridges in boxes of 10, \$1.85. Each, \$ .20.

### INTENSIFIERS

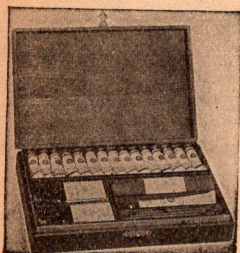
Eastman Tubular .....\$ .14





# LIFE IS COLOR!

**\$3.75 Eastman Oil Coloring Outfit**



**Special  
Holiday  
Offer**

**\$3.25**

Coloring your pictures add charm and beauty to them—It makes the subjects in your pictures actually live—Contrary to the general idea coloring of photographs is very simple—After the novice has read the instruction sheet—He can do a very good job of coloring his pictures—Think of the added beauty your pictures would have if they were colored—And best of all it is simple to do and requires no artistic ability—

## Coloring Photographs

IN OIL COLORS

By Avenir Le Heart—**\$1.00**

Avenir Le Heart is today probably the leading writer on this subject. This is his latest book on the coloring of photographs and is the best he has done from every standpoint, being a complete course of study in oil coloring of photographic views, portraits, miniatures, and enlargements.

### Blotter Book

This book consists of 24 sheets of very heavy chemically pure photographic blotting paper, with waxed paper inserts, and is bound in high-grade cover stock.

Measures 8½x11¾ inches **PRICES** .....\$0.65

### Kodak Drying Roll

This Roll Drying method is very convenient to dry a large number of prints in a small amount of space. The roll measures 11½ inches by 6 feet. It prevents the prints from curling. It will hold any size 8x10 or smaller.

Price .....\$1.45

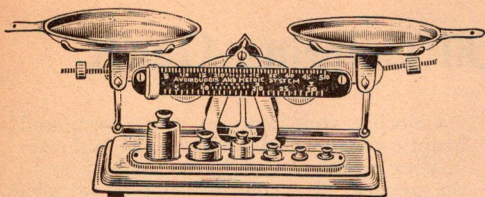
### World Blotting Paper

Highly absorbent stock and chemically pure. Made in two weights—regular and extra heavy, the former weighing 100 and the latter 120 pounds to the ream. Supplied in sheets measuring 19x24 inches and in rolls.

	1 doz.	¼ ream	½ ream	1 ream
		sheets (125 sheets)	(250 sheets)	(500 sheets)
Sheets 19x24 in. ....	\$0.78	\$6.50	\$12.00	\$23.00
Regular weight .....	.83	7.75	15.00	28.75
Extra Heavy .....				18.90
Rolls Regular 75 lbs. 20 in. wide .....				.38
20 in x 10 ft. ....				18.90
Extra Heavy 75 lbs. 24 in. wide .....				.58
24 in. x 10 ft. ....				



## \$4.50 EASTMAN STUDIO SCALE



**SPECIALLY  
PRICED AT \$3.95**

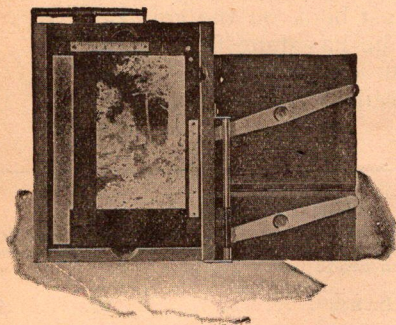
Additional metal weights to be placed in the pan are as follows: Avoirdupois 2 of 50 grains, 1 each of  $\frac{1}{4}$ ,  $\frac{1}{2}$  and 1 ounce and 1 of 2 ounces; Metric 2 of 5, and 1 each of 10, 15, 30 and 60 grains.

With nickeled and black enameled metal parts and a mahogany finished base—9 inches long—these scales are as attractive in appearance as they are accurate in performance.

In ordering please specify whether the avoirdupois or the metric system scale is wanted.

Extra Set of Weights—Avoirdupois or Metric .....\$0.70

## SPECIAL SAVING OF 40% ON PROFESSIONAL



### AUTO MASK PRINTING FRAME

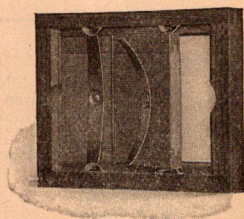
**\$1.45**

This frame can be used in printing from any negatives of amateur size: 4 x 5, 3 $\frac{1}{4}$  x 5 $\frac{1}{2}$  inches or smaller.

Attached to the frame are two slides adjusted from the outside, forming an accurate mask of whatever size is desired. Any number of uniformly masked prints can be made without readjusting the negative or the masking slides.

The entire frame is carefully constructed, of quality material, to give years of service.

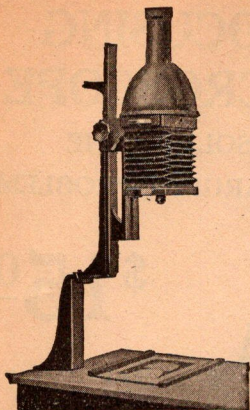
### HEAVY WEIGHT PRINTING FRAMES



These frames have a two section hinged back, with clamps to hold the negative and paper firmly. Construction is of high grade wood that assures rigidity and long life, and obviates danger of warping.

	Regular Price	Special Price
4 x 5 .....	\$1.25	\$0.65
5 x 7 .....	2.00	1.35
8 x 10 .....	2.50	1.65
11 x 14 .....	5.00	3.45





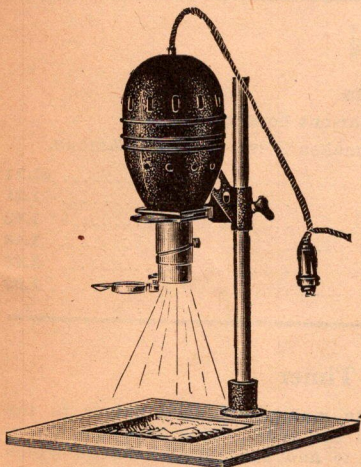
## Elwood Studio Enlarger

THAT

Will do all you can ask of any enlarger.  
 Can be used vertically or horizontally.  
 Will make enlargements of any size.  
 From 5x7 negatives or smaller.  
 Covers the entire plate perfectly and has more speed than you will need.  
 Has silvered and highly polished parabola-reflector.  
 The most efficient light possible to make at any price.  
 Your camera may be clamped to lens-board of enlarger.  
 Or your lens may be mounted directly to lens-board.  
 Uses any size light up to 400 watt, concentrated filament.  
 Substantially constructed and built for service. It will speed up and improve your enlarging work. For use vertically it may be clamped on the edge of any table or stand. Height, full extended, 60 inches.  
 This is not an automatic focusing enlarger.

Price of Enlarger complete, without lens but with light bulb .....	\$27.00
200 Watt special frosted bulb .....	2.00
Price with 6½ in. focus Gundlach special Anastigmat f:6.3 lens .....	41.50
Price with 6½ in. focus Wollensak Velostigmat f:4.5 lens .....	62.50

## Foth Derby Enlarger, equipped F3.5 Anastigmat Lens, \$26.00



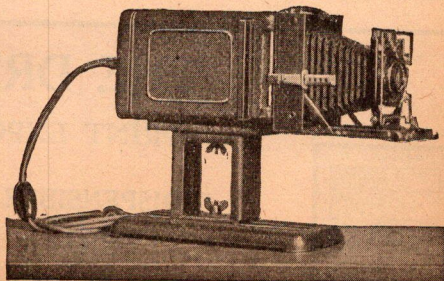
The Foth Derby Enlarger is used for the making of enlargements from motion picture film negatives or from negatives 1½x1¼ in size. It comes equipped with the 2" Foth Anastigmat F:3.5 Lens and the lamp house is especially designed to give brilliant illumination. The condenser in the illuminating system insures even illumination. Enlargements up to 9 diameter magnification can be made with this enlarger. The highly corrected and high speed F:3.5 Lens is easily focused and capable of producing faultless enlargements. The instrument is light, compact and strong. All metal parts are nickel plated steel and finished on crystallized steel black enamel. It is supplied with an adjustable red filter for placing the paper.

Price complete with negative holder and 75 watt bulb .....	\$26.00
Base Board .....	1.00

## Zeiss Ikon Mirax

An Enlarger to Use With Your Camera

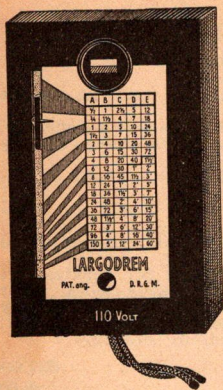
The Mirax Attachment fulfills a long felt need. It converts your own camera, (roll film or film pack type) to a highly efficient enlarger at a low price. It is within the reach of everyone. It is possible to use any camera taking a picture of vest pocket size to 9x12cm size. The Mirax has an all metal body and stand, special care having been taken to render the construction absolutely lightproof. Illumination is by a 75 watt electric bulb inserted in the removable back of the apparatus. The reflector insures even illumination and uses a flash opal ground glass. This enlarger can be used either horizontally or vertically. The Mirax will make enlargements as large as 16x20".



Price complete with 75 watt bulb .....	\$17.60
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# LARGODREM



**Electric Exposure  
Meter for Bromide  
Enlarging**

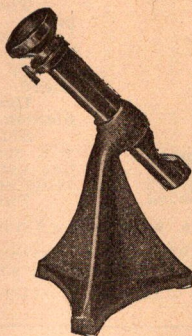
Something quite new to photography; a meter that has long been needed, and one of immense value to both amateur and professional photographers. The LARGODREM is simply connected to the electric supply of the enlarger, and then, in a few seconds, in the simplest conceivable manner, indicates

the absolutely correct exposure time for any kind of paper, any negative, any degree of enlargement.

Standard Model for 110 Volts, Price...\$10.00

# FOCUSING MICROSCOPE

SOLVES THE  
ENLARGING PROBLEM



**\$15<sup>00</sup>**

With the focusing microscope you can be sure that the enlargement is in the sharpest focus possible. This is done with ease and eliminates those out of focus enlargements.

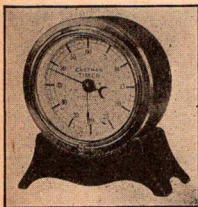
# ZEISS IKON

## METAL PAPER HOLDERS

(Hold enlarging paper flat and give clear-cut border)

A well made accessory, built with the precision that makes Zeiss products famous.

Paper Holder for 6:5 x 9 cm. (2 1/4 x 3 1/4")	\$1.21
Paper Holder for 9 x 12 cm. (3 1/2 x 4 3/4")	1.21
Paper Holder for 10 x 15 cm. (4 x 6")	1.48
Paper Holder for 13 x 18 cm. (5 x 7")	1.48
Paper Holder for 18 x 24 cm. (7 x 9 1/2")	1.48
Paper Holder for 24 x 30 cm. (9 1/2 x 12")	1.99



## Eastman Timer

The most important factor in the making of good prints is the accurate exposure of every print in the order. The Eastman Timer solves the problem. Has both minute and split second hands which may be instantly reset. The large and plainly marked dial is easily read in subdued light.

Price .....\$4.75

# THE DREMMETER

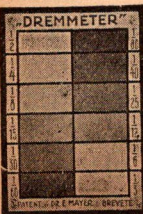
## PRINT EXPOSURE GAUGE

**INDISPENSIBLE  
FOR  
THE CAREFUL  
WORKER**

A print exposure gauge with twelve test fields, for contact prints and enlargements on Bromoil, Bromide, Chloride or Gaslight paper, lantern slides, enlarged film or glass negatives.

Size 3 1/4 x 4 1/4.

Price .....\$1.20



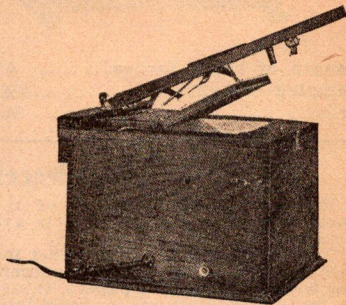


# CENTRAL PRINTER

With

**AUTOMATIC MASKING DEVICE**

**\$1250**



For quick and convenient contact printing the amateur or professional can choose no better means than this compact device, built simply but to Eastman scientific standards.

It fits negatives from 1 1/8" x 1 1/4" and including 5 x 7 inches. The negative to be printed is placed on the top glass window by the light of a red bulb inside the printer. A simple masking arrangement controls the white margins and holds the negative during any number of exposures. With this masking device it is possible to automatically mask out any portion of the negative. It also makes it easy and convenient to get white margins with any size negative up to and including 5 x 7. The paper is placed over the negative and the hinged frame closed. This automatically turns on a 60-watt electric lamp (not supplied) and makes the exposure. The position of this lamp is readily adjustable to give even illumination to negatives of various sizes.

The printer is supplied with 5 1/2 feet of electric cord with plug attached, and one red bulb. By simply inserting an ordinary 60-watt lamp the printer is made ready for instant use.

## Central Stirring Rod Thermometer

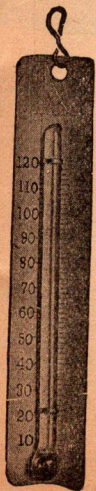


**95c**

A high grade thermometer in a glass stirring rod. This combination enables the worker to watch the temperature at the same time that the chemicals are being dissolved. The Ingento No. 5 is 9 1/4 inches long and a quarter of an inch thick. The head is flattened for crushing any particles that do not dissolve readily. Price.....95c

### Ideal Thermometer No. 1

This thermometer is made especially for photographic use. It is mounted on a metal plate which has two springs to hold it in the photographic tray so that the temperature of the bath may be ascertained while prints are being toned. Price, each .....\$0.32

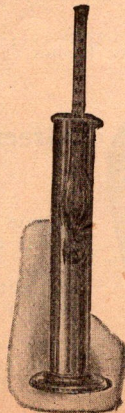


### Combined Tray and Tank Thermometer

This thermometer is particularly adapted for use with developing tanks. It is shaped so as to occupy the least possible space and has a hook for fastening to the edge of the tank. The holder is made of brass heavily silvered, will not corrode. The scale reads from 30 to 120 degrees Fahrenheit. Price .....\$0.48

### Eastman Tested Hydrometer

The Eastman Tested Hydrometer is graduated with extreme accuracy and its unique, flat stem makes possible an accurate scale reading even under trying conditions.

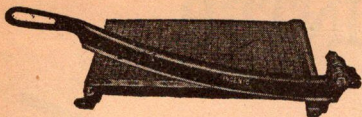


Eastman Tested Hydrometer, complete with jar .....\$1.45

Eastman Tested Hydrometer, without jar 95c



### Milton Bradley Trimming Board



The blades of this Trimmer are made of the finest carbon steel, properly tempered. The handle blade is hollow ground, which makes it self-sharpening, an exclusive feature of the greatest practical advantage. The beds are maple, finely polished, and are subdivided into perfect half-inch squares, enabling exact trimming at any point.

Length of blade, inches.....	6½	8½	10½	12½	15	24
Shipping weight.....	3¼ lbs.	4½ lbs.	6 lbs.	8¾ lbs.	20 lbs.	50 lbs.
Price .....	\$1.95	\$2.45	\$2.85	\$4.45	\$7.50	\$21.60

### Montauk Incandescent Ruby Light

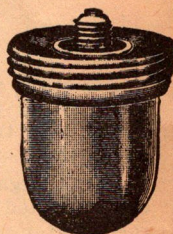
Electric light and plenty of it is what is wanted in all cases where electric current is available for dark room purposes.

This lamp has an inner amber incandescent bulb of 8 candle power, suitable for 110 volt current, which can be used alone for working gas-light papers, it also has an outside ruby globe to be screwed on when handling plates or bromide papers. The bulb fits the ordinary Edison electric light socket.

Price, complete, \$1.95.

Outer globe separate....\$1.00 Inner globe separate....\$0.82

Do not use on any but a 110 volt current



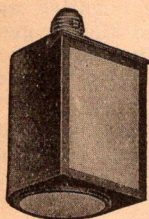
### Brownie Safelight Lamp

But little larger than the electric bulb it holds, the Brownie Safelight Lamp screws into an electric socket which may be conveniently situated close to the place where the work is to be done.

The lamp is made of metal, neatly japanned; has circular safelight in the end and side safelight as well. Both safelights are the regular Series 1, and removable so that other series may be used, if desired. A 15 Watt Mazda lamp is used, but is not supplied.

The Brownie offers a most satisfactory means for dark room lighting where electricity is available.

Brownie Safelight Lamp .....	\$1.65
Extra Circular End Safelight (any series), each.....	.25
Extra Side Safelight (any series), each.....	.40



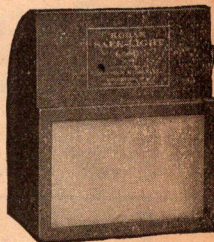
### Kodak Safelight Lamp

The Kodak Safelight Lamp is ideal for all dark room uses, whether that be the work of the beginner, the advanced amateur, or the professional.

The lamp is supplied with a 5x7, Series 1 safelight for use with films or plates, not color sensitive. Safelights of other series may be obtained, if desired, for more advanced work. It is made of metal; neatly finished in a warm tone of brown and the inside is enameled white to intensify the force of the reflected light from the electric bulb in the top. The lamp is supplied complete, excepting electric bulb, including besides the safelight, four feet of electric light cord with socket and plug.

#### PRICE

Kodak Safelight Lamp .....	\$3.25
Extra Safelight for Kodak Safelight Lamp, any Series, 5x7, Each..	.72



### Green, Ruby and Orange Electric Bulbs

Plain or frosted electric bulbs which can be used in any electric lamp. Convenient and safe method of lighting your dark room. 4, 8 or 16 C. P.

Price Ruby Bulb .....	\$0.50
Price Orange Bulb .....	.50
Green Bulb for Panchromatic... ..	1.25



**"PRINT PERFECTION AND HOW TO ATTAIN IT,"** by Dr. B. T. J. Glover. This little book of less than eighty pages is replete with valuable information not only for the beginner, but also for the advanced worker. Written in a clear manner, it gives instruction for production of the highest possible printing quality.

Price .....\$0.60

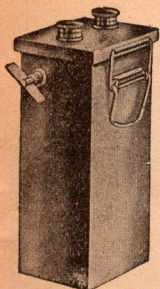


# BEDA-LUX DAYLIGHT Developing Tank

LOADING—DEVELOPING—FIXING—WASHING  
—ALL IN DAYLIGHT—

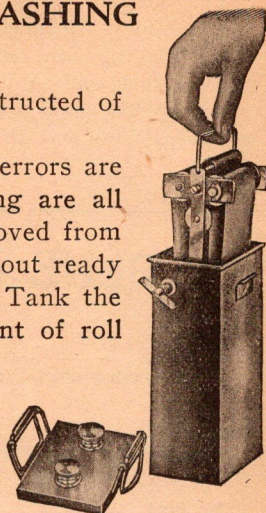
The BEDA-LUX daylight developing tank is constructed of brass and finished in a fine nickel plating.

All operations are done in daylight, all dark room errors are eliminated. Loading, developing, fixing, and washing are all done in daylight. The film is not removed from the tank for any operations and comes out ready to dry, making the Beda-Lux Daylight Tank the finest achievement for tank development of roll film to date.



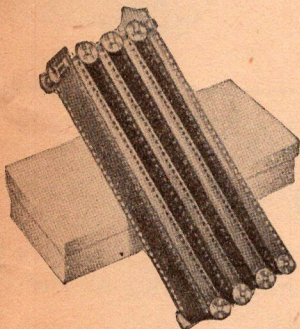
Vest Pocket size .....\$8.50

2 1/4 x 3 1/4 size ..... 9.50



# CENTRAL Miniature Developing Tank

SIMPLE—COMPACT—EFFICIENT  
FOR VEST-POCKET  
LEICA OR 2 1/4 x 3 1/4 FILM



Due to its unique construction, film with anti-halation coating can be developed without fear of streaking or becoming spotted. It is of non-rust metal, handsomely chromium plated and holds approximately 20 ozs. In spite of its small measurements, it is easy to manipulate and of elegant finish.

**\$6<sup>00</sup>**

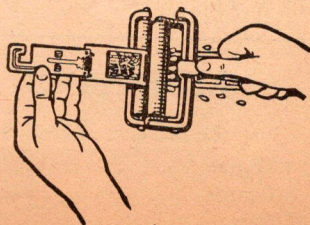
Please specify size when ordering

# ROLLER FILM DRYER

SIMPLE AND EFFECTIVE

When film is removed from the drier, this ingenious little device evenly removes remaining moisture and drops of water without damaging the film emulsion. The mode of operation is extremely simple and effective—makes cleaner negatives and reduces drying time.

Price .....\$3.00

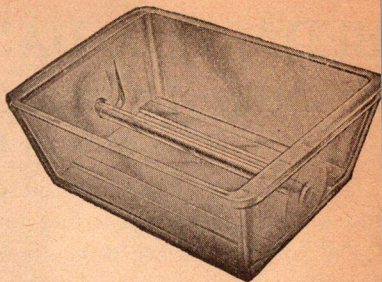




## FILM DEVELOPING TRAY

This special tray is made for the developing of any size of roll film. It is made of glass and is extra deep. The removable glass rod in the tray is removable and revolves freely in the grooves. The film is threaded on the rod and sea sawed back and forth until developed.

Price .....\$0.83



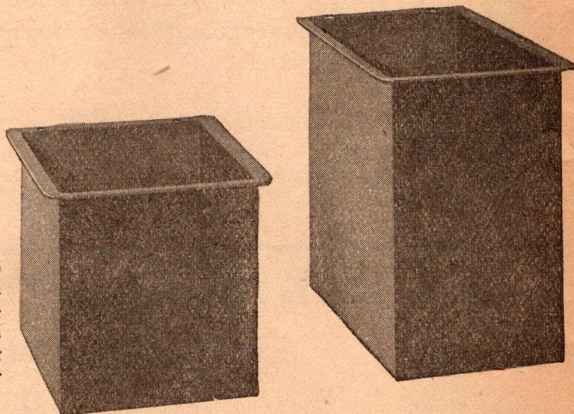
## BLUE ENAMEL STEEL TANKS

4x5 SIZE .....\$1.29  
Measuring 6"x4 $\frac{5}{8}$ "x6 $\frac{3}{8}$ "

5x7 SIZE .....\$1.75  
Measuring 7 $\frac{1}{2}$ "x7 $\frac{3}{4}$ "x4 $\frac{1}{4}$ "

8x10 Size.....\$3.50  
Measuring 10 $\frac{1}{4}$ "x10 $\frac{3}{4}$ "x7 $\frac{3}{4}$ "

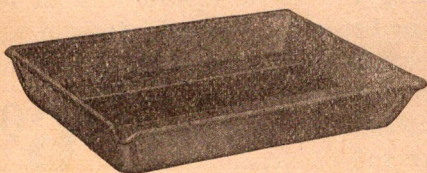
These steel enamel tanks can be used for developing, fixing and washing. They are made to accommodate the regular Eastman developing hangars, the 4x5 taking 4x5 and smaller and the 5x7 for 5x7 and smaller.



## STEEL ENAMEL TRAYS

### SPECIAL

These new Steel Enamel Trays we are offering at these special prices:

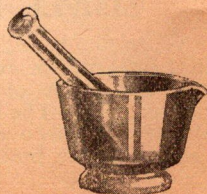


4 x 6 .....	\$0.40	11 x 14 .....	\$1.60
5 x 7 .....	.55	14 x 17 .....	2.55
6 $\frac{1}{2}$ x 8 $\frac{1}{2}$ .....	.82	16 x 20 .....	3.15
8 x 10 .....	.90	18 x 22 .....	6.05
10 x 12 .....	1.05	20 x 24 .....	7.50

## MORTARS AND PESTLES

Just the thing to thoroughly dissolve or mix chemicals.

4-Ounce .....	\$.60
8-Ounce .....	.70
16-Ounce .....	1.10
32-Ounce .....	1.60





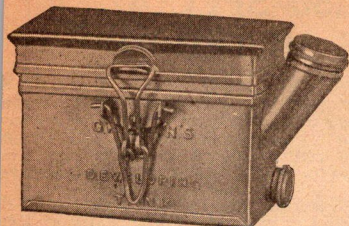
## Dallon Developing Tanks

(The One-tank Process)

For Cut Film, Plates and Film-Packs—Daylight Development

With the Dallon Tank the three operations: developing, fixing and washing can be accomplished without necessitating the removal of the film. This is made possible by the unique inlet and drain outlet. The Dallon accommodates either film packs, cut film or plates. After the tank has been loaded a dark room is no longer necessary and the other operations can be carried out with any kind of light.

They are constructed of heavily nickel plated brass, are solution tight, quickly filled and emptied, reversible and compact.



Size	Price	Size	Price	Extra Accessories	Racks Each	Sheaths Per Doz
4 1/2 x 6cm. ....	\$7.25	2 1/4 x 3 3/4 ....	\$ 7.75	4 1/2 x 6CM—2 1/4 x 3 3/4	} ....	\$2.75
15 x 107mm. ....	7.25	3 3/4 x 4 1/4 ....	8.25	4 1/2 x 107MM—6 1/2 x 9CM		
6 1/4 x 9cm. ....	7.75	3 3/4 x 5 1/2 ....	8.75	6 x 13CM—7 x 13CM	} ....	3.00
6 x 13cm. ....	8.00	4 x 5 ....	8.75	9 x 12CM—10 x 15CM		
7 x 13cm. ....	8.00	5 x 7 ....	13.25	3 3/4 x 5 1/2—4 x 5		
9 x 12cm. ....	8.75			5 x 7		4.50
10 x 15cm. ....	8.75					4.50

## And Now the Dallon—"Six" Tank

Holds only six films or plates

This tank possesses all features of the regular dollar tank, only instead of accommodating 12 plates or films, it accommodates six only and it does not have top inlet or bottom outlet. Must be loaded in dark room.

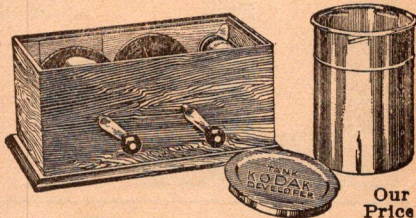
Size	Price	Size	Price
4 1/2 x 6 cm	\$4.50	2 1/4 x 3 3/4	\$4.75
45 x 107 mm	4.50	3 3/4 x 4 1/4	4.75
6 x 13 cm	5.25	3 3/4 x 5 1/2	5.75
9 x 12 cm	5.25	4 x 5	5.75
10 x 15 cm	6.25	5 x 7	7.75

## The Kodak Film Tank

FOR AUTOMATIC DAYLIGHT DEVELOPING OF ROLL FILM

The Kodak Film Tank automatically develops a roll of film put into it just as well as the film could be developed by the most experienced photographer. It is very simple. If directions are followed any boy or girl can get just as good results from the Kodak Film Tank as the most expert photographer can developing the film in the darkroom.

- Brownie Tank for use with any film 2 1/4 in. wide or less. Shipping weight 2 1/4 lbs. .... \$4.75
- 2 1/2 in. Tank for use with any Kodak or roll film camera having a film width of 2 1/2 in. or less. Shipping weight, 5 lbs. .... 6.25
- 3 1/2 in. Tank for use with film 3 1/2 in. wide or less. This is the size for all 3 1/2 x 3 1/2, 3 1/4 x 4 1/4 and 3 1/4 x 5 1/2 cameras. Shipping weight, 5 1/2 lbs. .... 7.20
- 5 in. Kodak Film Tank, use with all Kodaks using film 5 in. or less in width. This is the size for all 4x5 cameras. Shipping weight, 6 lbs. .... 8.60



Our Price

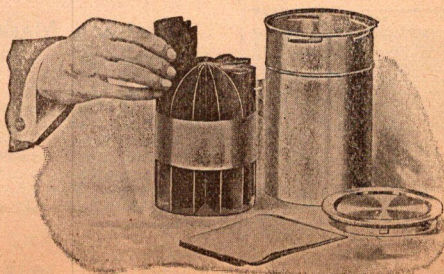
## Accessories for Film Tanks

	Apron 6X	12X
Duplicating Outfit for Brownie Tank.....	\$1.75	
Do., for V. P. K. ....	1.75	
Do., for 2 1/2 inch ....	2.75	.90
Do., for 3 1/2 inch ....	3.25	1.20
Do., for 5 inch.....	4.00	1.80
Do., for 7 inch.....	5.00	1.50

## Kodak Film Pack Tanks

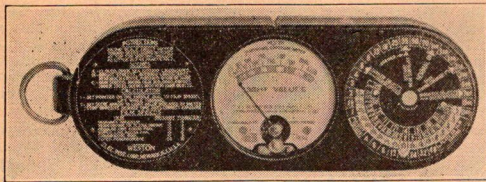
For the amateur who wishes to do his own work, the difficulties and uncertainties of development are entirely removed by the Premo Film Pack Tank. Absolutely no experience or technical skill is required to get perfectly developed negatives. The tank method of development is automatic and scientifically exact.

	Our Price
Kodak Film Tank No. 1 for 12 1 3/4 x 2 3/8 or 2 1/4 x 3 3/4 films.....	\$1.65
Ditto No. 2, for 12 2 1/2 x 4 1/4, 3 1/4 x 5 1/2 films	3.25
Ditto No. 3, for 6 5x7 films.....	3.75
Premo Tank Developing Powders, in packages of 6, No. 1.....	.28
Ditto, No. 2.....	.38
Ditto, No. 3.....	.52





# \$33.00 REG. PRICE — \$17.50 SPECIAL WESTON EXPOSURE METER



When you use the Weston Universal Exposure Meter, you get a correct exposure every time. No guess work . . . no waste of film . . . no disappointments . . . every shot just right! The Weston Exposure Meter pays for itself in cost of film and time saved.

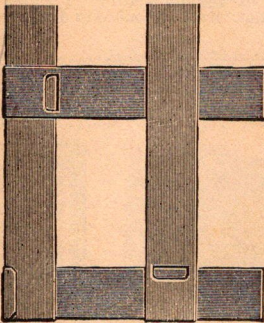
Measuring the brightness reflected by the subject or scene, the Weston Exposure Meter translates it into the correct combination of f. or US stop and shutter speed for air film or plate.

**FEATURES**

1. For both cine and stills.
2. For any film or plate.
3. No batteries.
4. No adjustments.
5. Always ready for use.
6. Nothing to wear out or replace.
7. For any temperature, weather, or climate.
8. Not damaged by direct sunlight.

**\$17.50**  
**WITH CASE**  
**BRAND NEW**

## NEW . . . CENTRAL ADJUSTABLE PRINTING MASK FOR ENLARGING AND PRINTING



These new adjustable masks come in various sizes. They are ideal for use for either contact printing or enlarging. With these adjustable masks it is possible to get any size white margin on the pictures, also any portion of picture can be masked out. They are made of metal and easily adjustable. All of the masks will adjust from 1/2"x1/2" or larger.

Outside	Masking Size	Price
4"x 5" .....	1/2"x1/2" to 2 3/4"x 3 3/8".....	\$.68
5"x 7" .....	1/2"x1/2" to 3 3/8"x 5 3/8".....	.90
8"x10" .....	1/2"x1/2" to 6 3/8"x 8 3/8".....	1.00
11"x14" .....	1/2"x1/2" to 9 3/8"x12 3/8".....	1.70

### Transparent Kodaloid

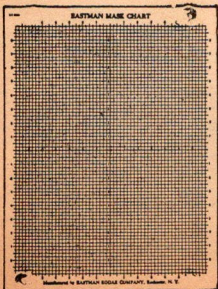
No. 1—Thin .....	.....
No. 2 1/2 Medium .....	.....
No. 3—Heavy .....	.....
No. 5—Ruby and Orange, heavy .....	.....
No. 6—Transparent. Extra heavy .....	.....

Approximate thickness	Per Square foot
.002"	<b>\$0.25</b>
.003 1/4"	.25
.005 1/2"	.30
.008"	.35
.008"	.35

### Mounting Tissue

By its use prints can be mounted on thin cards, without curling. No apparatus required. Just the tissue and a flat iron.

Size .....	2 1/4 x 3 1/4	2 1/2 x 4 1/4	3 1/4 x 4 1/4	3 1/4 x 5 1/2	4x6	5x7	6 1/2 x 8 1/2	8x10	11x14
Package .....	3 dozen	3 dozen	3 dozen	2 dozen	1 dozen	1 dozen	1 dozen	1 dozen	1 dozen
Price .....	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.14	\$0.19	\$0.35
Gross .....	.20	.25	.25	.45	.65	.90	1.35	1.70	3.35
5 yards Roll 20 inches wide.....	\$0.60								
10 Yards Roll 20 inches wide.....	1.15								
	4x5, 2 Doz., \$0.09; Gross, \$0.45								



### Eastman Mask Charts

For producing printing masks with rectangular openings. Made of non-actinic paper, accurately ruled in quarter-inch spaces and marked in inches both ways from the center. The chart is placed over the mask paper and both chart and masking blank cut with a sharp knife to the desired size. The chart may be used as a mask when only one of a size is desired.

Eastman Mask Charts, per doz. ....	5 x 7	8 x 10	11 x 14
	\$0.15	\$0.25	\$0.45

### Black Masking Paper

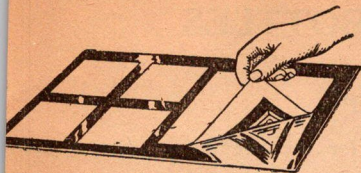
A good quality, heavy black paper easily cut to desired size and form for masking. It is also suitable for making special sized leaves for albums.

Supplied in sheets 11x14 inches, a most convenient size. Per Dozen .....

**\$0.35**



## SQUEEGEE PLATES



Our squeegee plates are the best obtainable and will insure prints with a very high gloss. There are two kinds. The Ingerito Squeegee plate which is a highly polished black enamel plate and with proper care will last a long time. The other style is known as the Chromium Squeegee plate and this plate with proper care is good for years. The chromium plate is the kind used in commercial finishing plants.

### CENTRAL SQUEEGEE PLATES

Square Corners	Net Each	Per Doz.	Round Corners	Net Each	Per Doz.
10x14—Light.....	\$.18	\$1.65	10x14—Heavy....	\$.30	\$3.38
10x14—Heavy....	.25	2.75	14x20—Heavy....	.60	5.35
10x20—Heavy....	.55	5.50	18x24—Heavy....	.90	9.00
10x24—Heavy....	.90	8.75			

### CHROMIUM SQUEEGEE PLATES

Round Corners	Net Each	Per Doz.
10x14.....	\$.75	\$7.50
14x20.....	1.50	15.00
18x24.....	3.00	30.00

## VISCOSE SPONGES

Imperishable, acid and gasoline proof artificial silk sponges, LINT-LESS, of enormous absorption, for instant surface drying of films, plates and photographic papers.—Exceptionally suited for bromoil work.

To dry any length of roll or Cine-Film, sandwich the film band between two pieces of Viscose sponge and pass down under gentle even pressure.

### LARGE VISCOSE SPONGE—Size I.

RY: 4 3/4 x 3 x 1 1/4" Absorption:  
NET: 6 1/4 x 3 1/2 x 1 3/4" up to 8 ounces...\$1.50

### HALF-SIZE VISCOSE SPONGE—Size II.

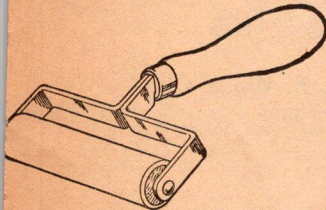
RY: 2 1/2 x 3 x 1 1/4" Absorption:  
NET: 3 1/4 x 3 1/2 x 1 3/4" up to 4 ounces...\$0.75

## Polishing Solution

This solution is to be rubbed on the squeegee or ferrotype plate. It absolutely prevents prints from sticking to the plates so that when the prints dry they peel off without tear or blemish and have a most magnificent glaze polish.

Photographers who are required to furnish glaze prints will appreciate the advantage of having at hand a solution that will preserve all their prints.

4-oz. size .....	\$0.32
8-oz. size .....	.55
16 Oz. Size .....	.75



## Rexo Print Roller

Print Rollers are convenient for smoothing prints after mounting and for squeegeeing prints on ferrotype plates. The frame is enameled black.

4-inch .....	\$0.32
6-inch .....	.45
8-inch .....	.56

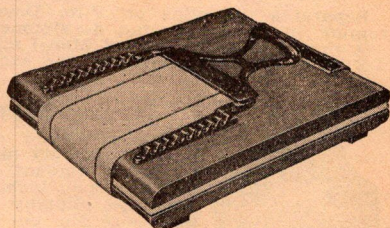
## Willo Drying Press

5x7—11x14

The new Willo Drying Press flattens and dries your prints at one time. It accommodates 11"x14" prints or smaller, and possesses a very unique arrangement for applying pressure. Enough pressure can be applied to insure that the prints will be flat after they have dried. This press will hold a large number of various size prints. It takes practically no space.

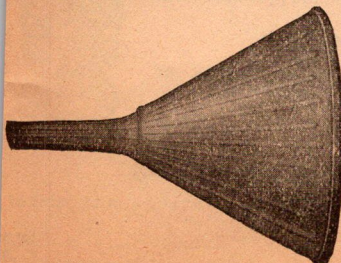
Size 11x14 Complete with 24 Blotters .....\$7.50

Size 5x7 Complete with 24 Blotters ..... 3.75



## GLASS FUNNELS

Glass Funnels, fluted or plain, for filtering. Fluted more desirable than plain funnels, because the filtering is much more rapid. **Be sure to state size wanted.** Shipping weight, 2 1/2 lbs. to 7 1/4 lbs. according to size.



	Plain or Fluted
1/4-pint .....	\$0.25
1/2-pint .....	.32
1-pint .....	.40
1-quart .....	.60
1/2-gallon .....	.90



# AMBER COLORED BOTTLES

With  
SCREW ON CAP

These amber colored bottles are especially fine for the keeping of photographic chemicals and solutions.

The amber color of the bottles protect the solutions or chemicals from spoiling as it is a known fact that light affects many photographic chemicals and solutions.

These bottles are supplied with wide mouths in the 8 oz., 16 oz. and 32 oz. size and narrow mouth in the 64 oz. The screw on cap is very convenient to use and prevents leakage.

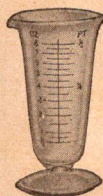
### PRICES

8 oz. .... .20    16 oz. .... .25    32 oz. .... .35    64 oz. .... .45

## ENGRAVED GRADUATE

This graduate is made of first quality glass. Markings are carefully engraved. Has pedestal base, easy to grasp.

1 dram	1 oz.	2 oz.	4 oz.
\$0.38	\$0.38	\$0.38	\$0.45
8 oz.	16 oz.	32 oz.	
\$0.55	\$0.85	\$1.55	



## Eastman Visible Graduate

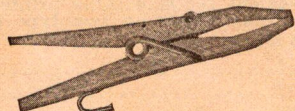
A strong and accurately moulded graduate; the graduations are opaque and thus can readily be seen under the dark room light—a distinct advantage. Has pedestal base.

2 oz.	4 oz.	8 oz.	16 oz.	32 oz.
\$0.38	\$0.48	\$0.58	\$0.85	\$1.10

## R. O. C. Tumbler Graduate, Moulded

Inexpensive but reliable. Shaped like a water glass with lip for pouring.  
R. O. C. Tumbler

Graduate	2 oz.	4 oz.	8 oz.	16 oz.	32 oz.
.....	\$0.12	\$0.17	\$0.22	\$0.36	\$0.70



## U. S. Wood Clip

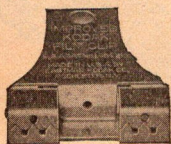
For hanging up film or prints, and for other purposes. Shpg. wt., per dozen, 7oz.  
Price, per gross .....\$3.50  
Per dozen .....

## Kodak Film Clip Separator

Separates the clips on Film Developing Hangers and prevents adjoining films from coming in contact during development in deep tanks or on drying racks.  
A three pronged clamp of Monel metal, 1 1/4 inch high. Price, per dozen.....\$0.70  
Film Pack Hanger Clips. 10c each. \$1.10 per dozen.

## Improved Kodak Film Clip

This is a new clip which replaces the No. 2 Junior. It is of entirely new construction designed to secure the maximum amount of grip with its two jaws. Having a width of two inches and a firm grip which prevents the film from slipping, it is particularly adapted for use with large size film but is useful for small film as well. Made in one size only. Kodak Film Clip.....\$0.35  
With lead weights......45



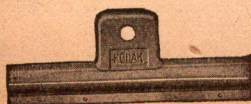
## Kodak Junior Film Clip

Is most practical for tray development or drying of films. Two teeth in jaw to prevent film from slipping. One size only.  
Kodak Junior Film Clip. Each.....\$0.14



## Eastman Film Developing Clip

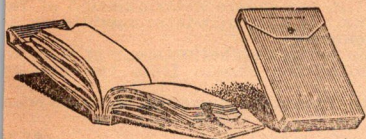
A thoroughly dependable clip. Made in two sizes and nickel plated.  
3 1/2 inch, per pair.....\$0.20  
5 inch, per pair .....





# Special Sale of Negative Albums

## Keep Your Negatives Safe

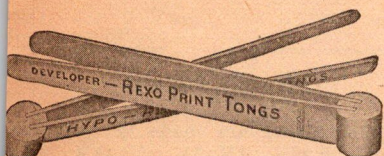


With Negative Album the photographer can store film negative in individual translucent envelopes, where they can be viewed one by one—without being removed. They are ready

for reprints, safe from loss or damage. Each album holds 100 negatives. A convenient index is included.

	Regular Price	Special Price		Regular Price	Special Price
For 100 negatives, 1 7/8 x 2 1/2 ..	\$1.25	\$0.95	For 100 negatives, 4 x 5 ..	\$1.50	\$1.15
For 100 negatives, 2 1/4 x 3 1/4 ..	1.25	.95	For 100 negatives, 3 1/4 x 5 1/2 ..	1.50	1.51
For 100 negatives, 2 1/2 x 4 1/4 ..	1.25	.95	For 100 negatives, 5 x 7 ..	1.75	1.25
For 100 negatives, 3 1/4 x 4 1/8 ..	1.25	.95			

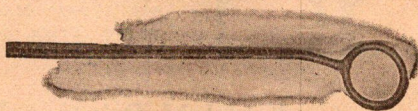
### Rexo Print Tongs



These tongs are designed for handling prints in the developer and hypo. They are as dexterous as one's fingers, and therefore obviate the necessity of placing the hands in the developing and fixing solutions. Their use insures clean hands and clean prints.

Price each .....	\$0.18
Smaller Size, Hard Rubber Tongs .....	.25
Hard Rubber Print Tongs .....	.30

### Eastman's Print Paddle



Made of pure, hard rubber, 1/4 in. round, smooth surface. It is exactly the right shape for handling prints in the fixing bath.

Price, each .....	\$0.48
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### EASTMAN'S HARD RUBBER STIRRING ROD

acid and chemical proof; ten inches long. Price each .....

\$ 23

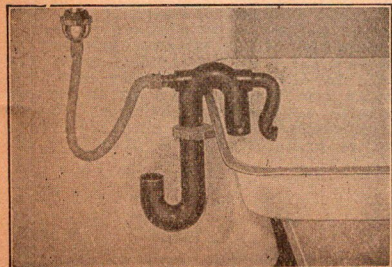
### INGENTO TABLET CRUSHER

This is a combined chemical crusher and stirring rod. It is made of extra heavy glass and has a specially reinforced flattened head with a rough surface to facilitate the grinding of the chemicals. Length 8 inches, diameter of head 3/8 inch.

Price .....	\$0.12
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### PLAIN GLASS STIRRING RODS

8-inch .....	\$0.09	10-inch .....	\$0.14	12-inch .....	\$0.15
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### Eastman Automatic Tray Siphon

This device converts an ordinary tray into a very efficient washing machine. The siphon may be adjusted to maintain the water at any level. The water entering the tray makes a complete circuit and is siphoned out at the same speed it enters. Prints are kept in motion and the water is completely changed every few minutes. The siphon is adjustable to any tray.

Price .....	\$5.50
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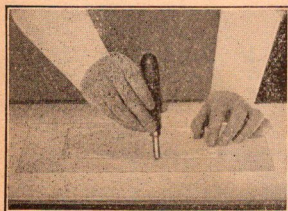
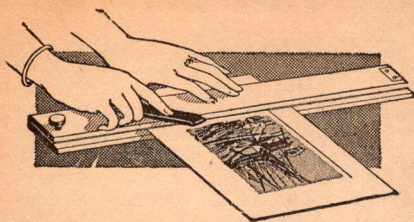
### Metal Fassetto (For Embossing)

An ingenious device for **EMBOSSING**, plate sinking, etc., into which the print or mount is placed **FACE UP**, for secure determination of the desired margins. It accommodates mounts up to cardboard thickness.

The Fassetto permit embellishment of Albums without detaching the sheets from the binding or binders.

Each Fassetto furnished complete with embossing tool.

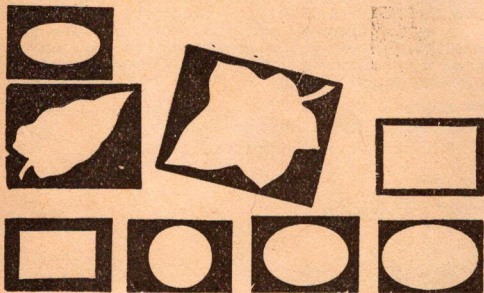
Length 36 cm.—14 inches .....\$1.50  
 Length 52 cm.—20 inches ..... 1.80  
 Embossing tool singly ..... .25



### EASTMAN PRINT EMOSSER

This handy tool is used for producing plate sunk centers on prints or enlargements. A steel ball rotating in the end of a rod permits one to exert the pressure necessary to emboss a sharp line at the edge of the embossing form without cracking the print. Such embossing adds greatly to the attractiveness of the print.

Eastman Print Embosser .....\$0.50

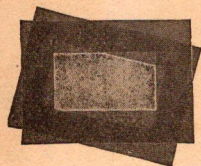


### Housh Masks

These Masks are made in following sizes: 1½x2½, 2¼x3¼, 2½x4¼, 3¼x4¼, 3¼x5½, 4x5, 5x7. Nine Masks to a package, one of each shape. Note the variety of margin widths these Masks will afford you, in the square or oval types. Made of heavy black opaque paper. Price, per package.....\$0.25

### Kodaloid Printing Masks

These transparent, durable masks, orange-red in color, have openings of various convenient sizes. Their transparency enables the user to see clearly the portions of the picture which are being masked off. This is an advantage not present in masks made of opaque material.



No.	Outside Dimension	Size of Opening	(With or Without Guide)		Price Ea. Net
			For	For	
1	4 x5	1- 1/2 x2- 3/8	.....\$0.09	9 5 x7	3-13/16x4-13/16 .....\$0.14
3	4 x5	2- 1/16x3- 1/16	..... .09	11 5 x7	2- 7/8 x5- 1/8 ..... .14
4	4 x5	2- 3/8 x4- 1/16	..... .09	12 5 x7	3- 1/2 x4- 1/2 ..... .14
6	4 x5	2-15/16x3-15/16	..... .09	13 6½x8¼	4- 1/2 x6- 1/2 ..... .23
8	5 x7	3- 1/8 x5- 3/8	..... .14	14 6½x8½	4¾x6¾ ..... .23

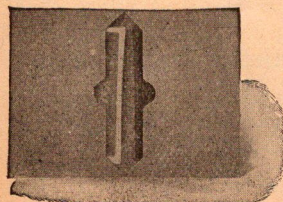
### Amateur Delivery Envelope

A well designed stoutly made two-pocket envelope of green paper for use by finishers in delivering prints and negatives to amateurs. They are supplied either without printing or with the following sentences printed on the inside flaps of the pockets: "All Films should be developed promptly after exposure. For the best results use Eastman, and let us develop it" and "For the best results use Eastman Film and let us develop it promptly after exposure." There is no extra charge for this printing. Any other printing may be placed on the face side by the finisher.

#### PRICES

Amateur Delivery Envelopes with or without printing:

	Per 100	Per 1000
No. 1 3¼x4¼	\$0.85	\$ 6.30
No. 2 4x6	.95	8.00
No. 3 5x7	1.30	11.25







## THE NEW DEAL

### Slip-In Double Flap Folder

New in every way this double flap folder will have a wide appeal. The cover is deeply embossed in color. The card has beveled edges and the embossed frame is two-toned.

The New Deal is a quality folder for high grade portraits.

### SIZES AND PRICES OF THE NEW DEAL GRAY, NEUTRAL

(Size 46-x and 57, 50 in a box—Size 80, 25 in a box)

Order No.	Folded Size	Opening	For Photo	Per 100	Per 25	Per Doz.
46-x	6 1/4 x 9 1/4	3 3/8 x 5 5/8	4x6	\$ 6.08	\$1.70	\$0.85
57	7 1/8 x 10 3/8	4 1/2 x 6 1/2	5x7	7.90	2.20	1.10
80	10 1/8 x 14	7 x 9 3/8	8x10	14.85	4.15	2.10

Sample on receipt of 12 cents



## THE GILBERT—SLIP-IN EASEL

The Ascot is a substantial mount intended for those who desire a conservative mounting, yet not too plain.

This mount has been priced at extremely low figures.

### SIZES AND PRICES Gray and Neutral (50 in a Box)

Order No.	Folded Size	Opening	For Photo	Per 100	Per 25	Per Doz.
35	4 3/4 x 6 3/8	3 x 4 1/2	3 1/2 x 5	\$5.69	\$1.56	\$0.88
46	5 5/8 x 8 3/4	3 3/8 x 5 5/8	4x6	7.42	2.06	1.10
57	6 3/4 x 9 3/8	4 1/2 x 6 1/2	5x7	8.66	2.39	1.29



## THE ITASCA—SLIP-IN EASEL

A conservative easel yet in exceedingly good taste. The two-tone effect on face-card sets off the portrait and adds the necessary finishing touch. This easel will sell on sight to the photographer who insists on the best. An under-card gives this mount the sturdiness that is so desirable.

### SIZES AND PRICES Gray and Neutral (50 in a Box)

Order No.	Folded Size	Opening	For Photo	Per 100	Per 25	Per Doz.
34	4 1/2 x 6 1/2		3x4	\$6.72	\$1.86	\$0.90
35	4 3/4 x 6 3/8	3 x 4 1/2	4 1/2 x 5	8.10	2.25	1.19
46	5 5/8 x 8 3/4	3 3/8 x 5 5/8	4x6	10.80	3.00	1.58
57	6 3/4 x 9 3/8	4 1/2 x 6 1/2	5x7	12.60	3.54	1.83





## Globe—Slip-in Mounting

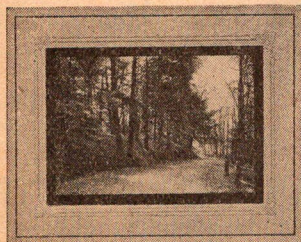
Light Gray and Parisian Brown

Size	Card	For Photogram
B	7 3/4 x 9 3/4	5x7
C	9 3/4 x 11 3/4	6 1/2 x 8 1/2
EF	9 3/4 x 13 3/4	6x10
D	11 3/4 x 13 3/4	8x10
E	14x17	11x14

Size	Per 100	Per 25	Per doz.
B	\$5.40	\$1.50	\$0.80
C	7.20	2.00	1.10
EF	9.00	2.50	1.35
D	9.00	2.50	1.35
No. 711	10.80	3.00	1.65
E	18.00	5.00	2.40

25 in a box

Sample on receipt of 10 cents



## Lafayette

An inexpensive printed mount for every day work. It is a beveled card of medium thickness and good quality with plain surface and an attractive combination of printed borders around the edges and the mounting space. A mounting of great utility. 10 Ply.

Ash Gray and Fox Brown

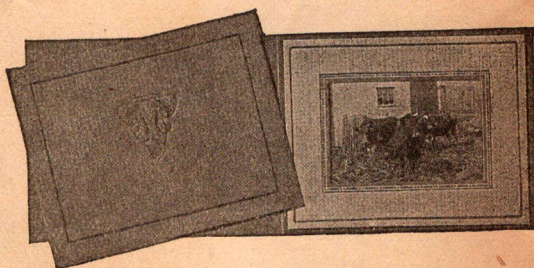
Size	Card	For Photo	Per doz	Per 25	Per 100
B	8x10	5 x 7	\$0.55	\$1.00	\$3.60
C	10x12	6 1/2 x 8 1/2	.70	1.35	4.95
D	12x14	8 x 10	.90	1.75	6.30

## Hoover Folder Slip-in Mounting

Brown Cover enclosing Parisian Brown Insert  
Gray Cover enclosing Cloud Gray Insert

VP	For Photo	Per Doz.	Per 100
Size	1 1/2 x 2 1/2	\$0.35	\$2.25
B	2 1/4 x 3 1/4	.40	2.50
D	2 1/2 x 4 1/4	.45	2.75
2—C	2 7/8 x 4 7/8	.52	3.00
E	3 1/4 x 4 1/4	.58	3.25
F	3 3/4 x 5 1/2	.65	3.50
G	4 x 5	.65	3.50

50 in a box



## Conquest Solid Amateur Mount

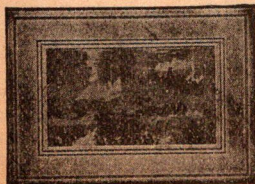
Ash Gray and Beaver Brown

The Conquest, with its simplicity and neatness of design, combined with the quality and finish of high grade mounts, is an offering of real value at a low cost.

Size	Card	For Photo.	Per 100	Per 25	Per Dozen
xx VP	3 x 3 3/4	1 1/2 x 2 1/2	\$1.15	\$0.40	\$0.25
xx B	4 x 5	2 1/4 x 3 1/4	1.50	.50	.30
xx D	4 1/4 x 6	2 1/2 x 4 1/4	1.75	.55	.32
xx E	5 x 6	3 1/4 x 4 1/4	1.90	.60	.35
x F	5 1/4 x 7 1/2	3 1/4 x 5 1/2	2.10	.65	.42
x G	6 x 7	4 x 5	2.10	.75	.45
x H	7 x 9	5 x 7	2.65	.90	.50

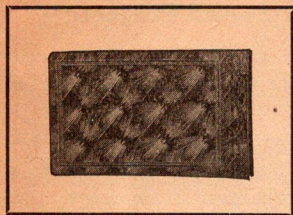
xx 200 in a box

x 100 in a box





# SPECIAL OFFERING OF ALBUMS



SIZES 7" x 9" or 8" x 10"

At a 35% Saving

<b>80c</b>	SALE PRICE	REGULARLY \$1.25	GROUP No. 1
<b>95c</b>	SALE PRICE	REGULARLY \$1.50	GROUP No. 2
<b>\$1.25</b>	SALE PRICE	REGULARLY \$2.00	GROUP No. 3

These albums are fresh new stock which we are able to offer at this big saving to you because of a fortunate purchase. They are grouped into three groups of different quality and are available in red, black, green, blue, and brown, and come in plain or fancy finishes. When ordering specify the following—

Price — Size — Color — Plain or Fancy

Note:

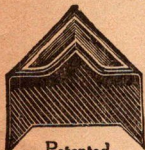
These albums are beautiful and artistic and we urge you not to hesitate sending in your order—if you are not pleased with the album you receive you have the right to return it for a refund.

## Nu Ace Mounting Corners

**"The Best by Every Test"**

Made in five colors, Black, White, Sepia, Gold and Silver.

**Neatness—Simplicity Useless Colors Eliminated. At any Dealer. Coast to Coast. Every Package Makes a Friend.**



Patented

The NuAce Corner is an artistic device for holding prints, snapshots, or postcards in albums or elsewhere.

Made in the form of a pocket—no folding or paste necessary.

NuAce is made of strongest Kraft Paper, backed by strongest, quick-sticking, odorless glue. Prints may be removed at will. 100 Corners in a package.

Price ..... \$0.10  
5 Packages ..... .45

## TRANSPARO FOTO CORNERS

**THE INVISIBLE ART CORNER**

Made of Cellulose

These pocket style corners are invisible when used for mounting prints in an album. The gummed paper tab enables pictures to be held tight—or they may be slipped in and out if preferred. Come packed 100 to a package.

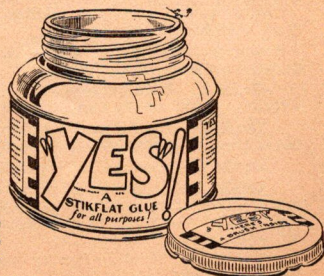
1Pkg. Transparo Fotocorners.....	\$ .20
5 Pkgs. ....	.95
10 Pkgs. ....	1.80
25 Pkgs. ....	4.25
Box 50 Pkgs. ....	8.25

## "YES"

**A STIKFLAT GLUE For All Purposes Will Not Curl Your Papers and Sticks Everything FOR MOUNTING OF ALL KINDS**

This paste is a recent creation adapted for use in the factory, office, home and Studio, where an all-around adhesive is required. It is transparent and will not discolor any material. Will stick paper, leather, imitation leather, cloth, photo-mounts, etc., to tin, glass, wood, metal, varnished surfaces and numerous other articles.

2-oz. bottle, brush separate .....	\$0.20
5-oz. bottle, brush inside .....	.35
8-oz. bottle, brush inside .....	.55



## The Photographic Workroom Handbook

By SIGSIMUND BLUMANN (4th EDITION) ..... \$1.00



# GEVALUXE VELOURS

## A New Paper for Fast Contact or Medium Speed Projection

It is our privilege to announce a new striking addition to our line of projection papers which marks the greatest improvement of the age in the production of sensitized papers.

GEVALUXE VELOUR is a medium speed enlarging or fast contact paper, brilliant in gradation and with an absolute matte surface so beautiful that it is difficult to describe. It is somewhat rough but has no indication whatever of coarse texture; hence it is excellent for projection prints from small negatives that have a tendency to show grain.

The emulsion, coated on india tint double weight stock, is particularly rich in silver and beautiful warm black tones, transparent shadows and full scale of gradation can be produced readily from negatives of normal density. It is particularly adapted for landscapes, pictorial subjects and portraits because of the stereoscopic effect that this rich emulsion renders.

Order a trial package. You will be surprised at the beautiful results secured.

### PRICES

Size	Per Doz.	Per ½ Gross	Size	Per Doz.	Per ½ Gross
5x7.....	\$1.60	\$ 7.70	11x14.....	\$6.15	\$32.40
8x10.....	3.30	17.30	14x17.....	9.30	49.50

## DASSONVILLE PHOTOGRAPHIC PAPER CHARCOAL BLACK

For Landscapes or Portraits Where Prints With Individuality and Character Are Required

"Charcoal Black" belongs in the field of fairly fast projection papers. Projection printing time runs from 10 seconds up with a delicate negative and proper light strength.

For contact printing use a light so weak that an exposure of not less than ten seconds is required.

"Charcoal Black" should be opened and handled in a light such as Wratten Series O or OA, or one that is safe for Bromide Papers.

### DEVELOPMENT

Many developers contain so much carbonate in relation to bromide that they spoil rapidly, and can stain "Charcoal Black." If your developer starts to darken upon slight use, take fresh developer, adding more bromide.

### THE CHARCOAL BLACK PAPERS

Grade A. A very thin white paper of marked distinction. True sketching surface.

Grade B. Similar to Grade A, but of medium weight, and slightly rougher in surface.

Grade C. Laid surface (lightly ribbed) suggestive of artists' charcoal paper. Pure ivory tone. Medium weight. (Laid marks run long way of sheet except in sizes 6½x8½ and 10x12).

Grade D. An exquisite, rough wove surface on purest white stock. Medium weight. (Predominant ribbing run short way of sheet except in sizes 6½x8½ and 10x12).

Grade E. Surface and weight identical with Grade B, but having the pure ivory tone of Grade C.

Grade F. "Opaline Parchment-Extra Thin." A translucent white sheet, smooth and almost without grain. Special instructions in packages of paper for: Making of high grade paper negatives; printing through the back of the sheet to pick up delightful pictorial grain; and making straight prints of exceptional detail, without gloss.

Grade G. "Opaline Parchment Extra Heavy." An exceedingly heavy and smooth white paper, having the beauty and luminous feeling of opal glass. Gives exceptional detail without gloss.

### PRICE LIST

Size	Doz.	Half Gr.	Size	Doz.	Half Gr.	Size	Doz.	Half Gr.	Size	Doz.	Half Gr.
5 x 7	..\$0.65	\$3.65	8x10	....\$1.50	\$ 8.25	11x14	...\$2.95	\$16.35	16x20	...\$6.10	\$34.00
6½x 8½	.. 1.00	5.50	10x12	.... 2.25	12.65	14x17	... 4.55	25.20	No other sizes cut.		

Discount—Orders \$5.00 or more—10%





### AZO DEVELOPING PAPER

Azo is a developing-out paper having a quality not equaled by any other paper selling at anywhere near or prices. As Azo is made in various degrees of contrast as well as in a great variety of surfaces, it is necessary to mention both the letter, indicating a surface, and number, indicating contrast and whether single or double weight is required when ordering.

Numerical designations are used to denote the degree of contrast in Azo emulsions as follows: No. 0 negatives of extreme contrast, No. 1 medium contrast, No. 2 for average negatives, No. 3 flat negatives, No. 4 quite flat negatives, No. 5 for extremely flat negatives.

- Single Weight Contrasts**  
 -Smooth, absolute matte (No. 2).  
 -Glossy (Pense) (Nos. 0, 1, 2, 3, 4, 5).  
 -Smooth, semi-matte (Nos. 0, 1, 2, 3, 4, 5).  
 -Glossy (Nos. 0, 1, 2, 3, 4, 5).  
 -Glossy (Nos. 0, 1, 2, 3, 4, 5).  
 -Smooth, semi-matte (Nos. 2, 3, 4).

- B—Medium Rough, matte (No. 2).  
 D—Rough, matte (Nos. 1, 2).  
 E—Smooth, semi-matte (Nos. 0, 1, 2, 3, 4, 5).  
 F—Glossy (Nos. 0, 1, 2, 3, 4, 5).  
 H—Smooth Buff, matte (Nos. 1, 2).  
 K—Smooth, semi-matte (Nos. 2, 3).  
 L—Rough lustre (Nos. 1, 2).  
 P—Fine grain lustre (Nos. 1, 2).  
 Q—Fine grain, matte (Nos. 1, 2).  
 R—White, Linen Finish (Nos. 1, 3, 5).  
 S—Buff, Linen Finish (Nos. 1, 3, 5).

Single Weight		Double Weight	
oz.	Gr.	oz.	Gr.
.15	.50	.20	.65
.20	.60	.25	.75
.20	.70	.25	.90
.20	.80	.25	1.00
.20	.80	.25	1.15
.25	.90	.30	1.25
.25	1.00	.30	1.15
.25	.90	.30	1.30
.25	1.05	.30	1.45
.25	1.15	.30	1.30
.25	1.00	.30	1.25
.25	1.15	.30	1.45
.25	1.25	.30	1.55
.25	1.10	.30	1.40
.25	1.35	.30	1.70
.25	1.40	.40	1.75
.25	1.25	.30	1.55
.25	1.45	.30	1.80
.30	1.40	.40	1.75
.35	1.60	.45	2.00
.35	1.55	.45	1.95
.35	1.60	.45	2.00
.35	1.85	.45	2.30
.35	1.65	.45	2.05
.35	2.10	.45	2.60
.25	\$1.25	\$2.35	\$3.30
.25	1.50	2.70	3.40
.25	1.55	2.85	3.55
.25	1.75	3.20	4.00
.25	1.95	3.55	4.45
.25	2.15	3.95	4.95
.40	2.00	3.65	4.55
.40	2.25	4.15	5.20
.40	2.45	4.60	5.75
.40	2.70	5.00	6.25
.40	2.55	4.60	5.75
.55	3.00	5.20	6.50
.55	3.00	5.55	6.95
.55	3.15	5.80	7.25
.55	3.30	6.15	7.70
.55	3.40	6.30	7.90
.55	3.50	6.45	8.05
.80	4.15	7.80	9.75
.80	4.80	9.10	11.40
1.00	5.25	9.95	12.45
1.00	6.20	11.70	14.65
1.00	6.60	12.40	15.60
1.00	6.95	13.15	16.45
1.55	8.15	15.45	19.30
1.55	8.00	15.20	19.00
1.95	10.60	20.35	25.45
2.40	12.95	25.05	31.30
2.85	15.60	30.20	37.75

Single Weight	Double Weight	Single Weight	Double Weight
\$2.50	1 1/2 in. x 200 ft.	\$3.50	2 1/2 in. x 200 ft.
3.35	2 1/2 in. x 200 ft.	3.50	2 3/4 in. x 200 ft.
3.60	2 3/4 in. x 200 ft.	3.60	2 3/4 in. x 200 ft.
3.45	5 in. x 100 ft.	3.45	5 in. x 100 ft.
2.15	6 in. x 50 ft.	2.15	6 in. x 50 ft.
3.55	6 in. x 100 ft.	3.55	6 in. x 100 ft.
2.25	6 1/2 in. x 50 ft.	2.25	6 1/2 in. x 50 ft.
3.90	6 1/2 in. x 100 ft.	3.90	6 1/2 in. x 100 ft.
2.55	8 in. x 50 ft.	2.55	8 in. x 50 ft.
4.65	8 in. x 100 ft.	4.65	8 in. x 100 ft.
3.05	10 in. x 50 ft.	3.05	10 in. x 50 ft.
5.70	10 in. x 100 ft.	5.70	10 in. x 100 ft.
1.50	20 in. x 10 ft.	1.50	20 in. x 10 ft.
3.55	20 in. x 10 yds.	3.55	20 in. x 10 yds.
2.80	40 in. x 10 ft.	2.80	40 in. x 10 ft.
6.85	40 in. x 10 yds.	6.85	40 in. x 10 yds.

500 SHEET PACKAGES

Sizes	Single Weight	Double Weight	Sizes	Single Weight	Double Weight
1 1/2 x 2 1/4	\$.160	\$2.00	3 1/2 x 4 1/2	\$.350	\$4.40
2 1/4 x 3 1/4	.. 1.90	2.40	3 1/2 x 5 1/2	.. 4.25	5.30
2 1/2 x 3 1/2	.. 2.20	2.75	3 1/2 x 5 3/4	.. 4.40	5.50
2 3/4 x 3 1/2	.. 2.50	3.15	3 3/4 x 4 3/4	.. 3.95	4.95
2 3/4 x 3 3/4	.. 2.50	3.15	3 3/4 x 5 1/2	.. 4.55	5.70
2 3/4 x 4 1/2	.. 2.85	3.55	4 x 5	.. 4.40	5.50
2 3/4 x 4 3/4	.. 3.15	3.95	4 x 6	.. 5.05	6.30
3 x 4	.. 2.85	3.55	4 1/4 x 5 1/4	.. 4.90	6.15
3 x 4 1/4	.. 3.30	4.15	4 1/4 x 5 1/2	.. 5.05	6.30
3 1/4 x 5 1/4	.. 3.60	4.50	4 1/4 x 6 1/2	.. 5.85	7.30
3 1/4 x 4 1/4	.. 3.15	3.95	4 1/2 x 5 1/2	.. 5.20	6.50
3 1/4 x 4 3/4	.. 3.60	4.50	4 3/4 x 6 1/2	.. 6.60	8.25
3 1/4 x 5 1/4	.. 3.95	4.95	5 x 7	.. 7.40	9.25

All other sizes to be considered as special. Special sizes up to 5 x 7 furnished at prices 10% greater than the next larger listed size.

In Rolls for Photo Finishers					
Single Weight	Double Weight	Width of Roll	Single Weight	Double Weight	Width of Roll
500 Ft.	1000 Ft.	1 1/2 in.	\$ 4.00	\$ 7.30	1 1/2 in.
List	List	2 1/4 in.	4.65	8.40	2 1/4 in.
\$ 5.50	\$10.35	2 1/2 in.	5.00	9.15	2 1/2 in.
6.45	12.05	2 3/4 in.	5.20	9.50	2 3/4 in.
7.05	13.20	3 in.	5.40	9.90	3 in.
7.30	13.75	2 3/4 in.	5.55	10.25	2 3/4 in.
7.60	14.35	3 1/4 in.	5.95	11.00	3 1/4 in.
7.90	14.90	3 1/2 in.	6.10	11.35	3 1/2 in.
8.45	16.05	3 3/4 in.	6.50	12.10	3 3/4 in.
8.75	16.60	3 1/2 in.	6.70	12.45	3 1/2 in.
9.35	17.80	3 3/4 in.	6.85	12.85	3 3/4 in.
9.65	18.35	3 3/4 in.	7.05	13.20	3 3/4 in.
9.90	18.95	3 3/4 in.	8.00	15.00	3 3/4 in.
10.20	19.50	3 3/4 in.	8.40	15.75	3 3/4 in.
11.70	22.40	4 1/2 in.	8.60	16.15	4 1/2 in.
12.25	23.55	4 3/4 in.	8.95	16.95	4 3/4 in.
12.55	24.10	4 3/4 in.	9.50	18.05	4 3/4 in.
13.10	25.25	5 1/2 in.	9.85	18.75	5 1/2 in.
13.95	27.00	5 1/2 in.	10.45	19.85	5 1/2 in.
14.55	28.15	5 3/4 in.	11.00	20.95	5 3/4 in.
15.40	29.85	6 1/2 in.	11.35	21.70	6 1/2 in.
16.25	31.55	6 1/2 in.			
16.85	32.70	6 1/2 in.			

**AZO POST CARDS**  
 2 Doz. Gross 500  
 \$0.40 \$1.70 \$5.65

Can only be had in following grades:  
 E-1, 2, 3, 4, F-1, 2, 3, 4, K-2, 3.

**DOUBLE POST CARDS F ONLY**  
 500 package .....\$10.85

- Double Weight Contrasts**  
 A—Smooth, absolute matte (Nos. 1, 2).  
 AA—Smooth, slight lustre (Nos. 1, 2).

### STEREO DIE CUT AZO, Grades C & F

Per Gross	Single Weight	Per 2 Dozen
Discount given only on 4x6 and larger sizes of Velox and Azo.	\$1.70	\$.35
Orders from \$1.00 to \$2.00	15%	25%
Orders over \$2.00 or more		



**VITAVA PROJECTION DEVELOPING-  
OUT PAPER FOR ENLARGING**

Vitava Projection Paper has about three times the speed of Vitava Rapid Black so that it can be used in the printing room safely without reducing the light to the degree necessary when regular Bromide papers are used.

It is furnished in surfaces that correspond with Vitava Athena enabling you to make projection prints in the same surfaces and weights as you use for Vitava contact prints.

Another advantage lies in the fact that each of its nineteen grades is supplied in two contrasts—No. 2, for normal negatives and No. 3, medium, for softer negatives.

- A—Cream White, single weight, semi-matte.
- B—Cream White, double weight, semi-matte.
- C—Cream White, double weight, matte.
- D—White Rough, double weight, matte.
- E—Buff Rough, double weight, matte, rough.
- E—Buff Semi-Matte, double weight, semi-matte.
- E—Buff Smooth, double weight, matte, smooth.
- F—White, single weight, glossy.
- L—White Rough, double weight, lustre.
- W—Old Ivory, double weight, medium rough semi-matte.
- X—Silk Old Ivory, double weight, semi-matte.
- Y—Silk Cream White, double weight, semi-matte.

**VITAVA PROJECTION PAPER  
SINGLE WEIGHT**

Sizes	Doz.	1/2 Gross	Gross
5x7	\$0.35	\$1.75	\$ 3.30
6 1/2 x 8 1/2	.55	2.80	5.15
8x10	.75	3.95	7.35
10x12	1.15	5.85	11.00
11x14	1.40	7.40	14.05
14x17	2.17	11.30	21.45
4x6—2 doz. 50c			\$2.25

**VITAVA PROJECTION PAPER  
DOUBLE WEIGHT**

Sizes	1 Doz.	2 Doz	1/2 Gross	Gross
4x6	.....	\$0.65	.....	\$ 2.80
5x7x	\$0.45	.....	\$ 2.20	4.15
6 1/2 x 8 1/2	.70	.....	3.50	6.45
7x11	.90	.....	4.75	8.80
8x10	.95	.....	4.95	9.20
10x12	1.45	.....	7.30	13.75
11x14	1.75	.....	9.25	17.55
14x17	2.65	.....	14.15	26.80
16x20	3.45	.....	18.70	35.90
18x22	4.25	.....	22.80	44.15
20x24	5.00	.....	27.50	53.25

**POST CARDS SEMI-MATTE**

2 Doz. 50c	Gross	\$2.35	500	\$7.80
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**In Rolls**

Size	Single Wgt.	Size	Single Wgt.
10 Ft.	\$2.00	20 Inch	\$2.50
10 Ft.	3.75	40 Inch	4.75
10 Yd.	4.85	20 Inch	6.30
10 Yd.	9.35	40 Inch	12.15

Discount on Eastman Vitava, Opal and Bromide Papers

15% on orders from.....\$1.00 to \$1.99  
25% on orders from.....\$2.00 and up

**Agfa Brovira Paper**

Photographers who have felt in using Bromide papers that they were trying, under difficulties, to make the negative pl up to its contact-print possibilities, will find in Brovira the paper they have longed for. Brovira assures enlargements with contact print quality. It is supplied in three contrasts in commercial surfaces to meet all varied requirements of commercial printing and amateur enlarging, and in several portrait surfaces as well. Brovira is a paper of remarkable latitude and entirely free from the smoky, hazy appearance usual associated with Bromide emulsions. Besides having great latitude in exposure and development, it will yield by direct development any desired degree of warmth from metallic black to a red chalk. It also produces beautiful sepia tones in the usual hypo-alum bath.

**Single Weight**

- Code No.
- 303 Glossy, soft grade.
- 353 Glossy, medium grade.
- 373 Glossy, hard grade.
- 351 Velvet, soft grade.
- 361 Velvet, medium grade.
- 381 Velvet, hard grade.

**Agfa Brovira Paper**

**Double Weight**

- Code No.
- 305 White Matte, soft grade.
- 355 White Matte, medium grade.
- 304 Buff Matte, soft grade.
- 354 Buff Matte, medium grade.
- 307 Rough White, soft grade.
- 357 Rough White, medium grade.
- 308 Rough Buff, soft grade.
- 358 Rough Buff, medium grade.
- 321 Velvet, soft grade.
- 341 Velvet, medium grade.
- 371 Velvet, hard grade.
- 372 Royal, normal and medium.
- Glossy Soft Medium and Hard.
- Crystal Stipple White, Soft and medium.
- Porcelain Stipple White, Soft and medium.
- Silk White, Soft and medium.
- Antique White, Soft and medium.

**Single Weight Double Weight**

	Doz.	Half Gross	Gross	Doz.	Half Gross	Gross
5x7	\$0.35	\$1.75	\$3.00	\$0.45	\$2.20	\$4.10
6 1/2 x 8 1/2	.55	2.80	5.15	.70	3.50	6.45
8x10	.75	3.95	7.35	.95	4.95	9.20
10x12	1.15	5.85	11.00	1.45	7.30	13.75
11x14	1.40	7.40	14.05	1.75	9.25	17.55
14x17	2.10	11.30	21.45	2.65	14.15	26.80
16x20	2.75	14.95	28.70	3.45	18.70	35.90
18x22	3.40	18.25	35.30	4.25	22.80	44.15
20x24	4.00	22.00	42.60	5.00	27.50	53.25

**ROLLS**

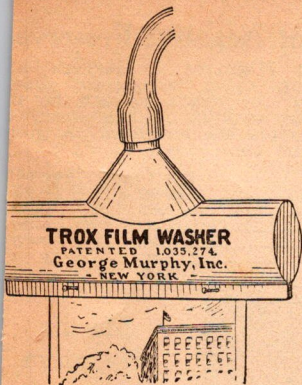
	Single Weight	Double Weight
20"x10 ft.	.....	\$2.00
20"x10 yds.	.....	4.80
40"x10 ft.	.....	3.75
40"x10 yds.	.....	9.35

Special narrow width rolls will be furnished when ordered in sufficient quantities to take the full width of a roll 40 inches wide

**DISCOUNT**

10% \$2.00 to \$5.00      20% \$5.00 and up





## TROX FILM WASHER

This Trox Film Washer is one of the most useful articles for the amateur that we have introduced in some time. It is intended for the amateur who uses the bathroom as his dark room.

Any size roll of film can be placed in the water. It is fastened by two pins.

A rubber hose is attached to the washer and to the faucet of the bathtub, the washer being placed high enough over the bathtub so that the film does not touch the bottom. It is completely washed in a few minutes, as the construction of the washer is such that the water flows over each side of the film its entire length.

Price .....\$0.50

## EASTMAN PORTRAIT FILM

**EASTMAN PORTRAIT FILM** comes in the following variety of different surfaces and different speeds. Portrait film comes in a complete array of emulsions to be used for every possible kind of photographic work and under every kind of conditions. The approximate relative speeds of the various brands of Eastman Professional Film, based on a speed of 100%, assigned to Par Speed Portrait Film, are exposed to light not differing from daylight in color or spectral composition.

**EASTMAN PORTRAIT FILM PAR SPEED** is film for general portraiture. 100%  
**EASTMAN COMMERCIAL FILM** has a slow emulsion suitable for general work and copying where color corrections are not necessary. It is also furnished with a matte surface emulsion. ....25%  
**EASTMAN COMMERCIAL PANCHROMATIC FILM** is a fast film completely color sensitive and especially suited for all forms of commercial work where the correct rendering of colors are desired. ....100%  
**SUPER SENSITIVE PANCHROMATIC FILM** is the fastest emulsion made retaining all the other advantages of regular portrait

Panchromatic .....200%  
**EASTMAN PORTRAIT FILM SUPER SPEED** is film under which lighting conditions are not of the best. ....150%  
**EASTMAN COMMERCIAL ORTHO FILM** is sensitive to the green and yellow but not red .....75%  
**EASTMAN PROCESS AND PANCHROMATIC** have a slow emulsion capable of producing exception contrast. ....5%  
**EASTMAN PORTRAIT PANCHROMATIC** is the film now used in most studios for general portraiture because of its long tone range and color sensitivity. ....100%

## AGFA PORTRAIT FILM

**AGFA PORTRAIT FILM REGULAR** with clear base and with matte back.  
**AGFA PORTRAIT FILM REGULAR** with clear base.  
**AGFA PROCESS FILM.**  
**AGFA PROCESS FILM CONTRAST.**  
**COMMERCIAL ORTHO PROCESS**  
**PRICES**  
**AGFA SUPERSENSITIVE PLENACHROME FILM (Clear Base Only)**

**AGFA PORTRAIT FILM** and **COMMERCIAL ORTHO** Clear base and back.  
**AGFA COMMERCIAL PANCHROMATIC** film in back and clear base.  
**PORTRAIT STUDIO HIGH SPEED**  
 All Eastman Pan.  
 All Agfa Pan. and Matte. Back.

All Eastman Emulsion except Pan.  
 All Agfa Except Pan. and Matte.  
 All Gevaert Film.

	Per Doz.	Per Case	Per Doz.	Per Case
2¼x3¼	\$0.36	30 doz. .... \$ 9.45	\$ .40	\$10.50
3¼x4¼	.48	30 doz. .... 13.65	.55	15.75
4x5 or 3¼x5½	.68	30 doz. .... 18.90	.75	21.00
5x7	1.05	20 doz. .... 20.30	1.17	22.40
6½x8½	1.60	12 doz. .... 18.48	1.78	20.58
8x10 or 7x11	2.35	10 doz. .... 22.40	2.55	24.85
7x17	4.20	4 doz. .... 15.68	4.55	17.36
11x14	6.04	3 doz. .... 16.90	6.55	18.69
8x20	6.27	2 doz. .... 12.53	6.90	13.80
12x20	9.49	2 doz. .... 18.98	10.47	20.94
		<b>Centimeter Sizes</b>		
4¼x6cm.	\$0.30	4¼ x 6 cm.	\$0.36	
6½x9cm.	.38	6½ x 9 cm.	.42	
9x12cm.	.60	9 x 12 cm.	.68	
10x15cm.	.87	10 x 15 cm.	.98	

### DEFENDER PORTRAIT DEFENDER COMMERCIAL FILM

	Doz. in Case	Doz.	Case	per Case
5 x 7	20	1.06	20.30	19.34
6½ x 8½	12	1.61	18.48	17.60
8 x 10	10	2.34	22.40	21.34

### DEFENDER PANCHROMATIC FILM DEFENDER EXTRA FAST PANCHROMATIC

	Doz. in Case	Doz.	Case	per Case
5 x 7	20	1.17	22.40	21.34
6½ x 8½	12	1.79	20.58	19.60
8 x 10	10	2.60	24.85	23.67



**Eastman P. M. C. Bromide Papers**

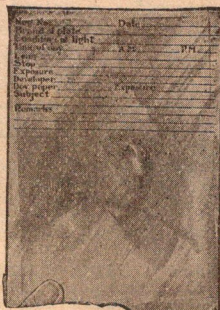
The numbers from No. 1 to including No. 5 are all single weight papers, the others are all double weight. P. M. C. is supplied in three grades of contrast. Normal, medium contrast, and contrast. Each surface grades of contrast supplied are indicated in the following manner. Normal (N); medium contrast (M); Contrast (C); extreme contrast (EC).

No. 1 Glossy White	.....	N.C.
No. 2 Smooth	.....	N,M,C,EC.
No. 3 Rough	.....	N,C.
No. 4 Gloss	.....	N.
No. 5 Matt Smooth	.....	N.
No. 6 Smooth	.....	N.
No. 7 Rough Matts	.....	N,M,C,EC.
No. 8 Bluff	.....	N,M,C,EC.
No. 9 White Semmi-Gloss	.....	N,M,C,EC.
No. 10 Glossy	.....	N,M,C,EC.
No. 11 Natural Tint Luster	.....	N,M,C,EC.

**Transparent Negative Preserver**

Transparent Negative Preservers are made of strong, heavy translucent paper through which the negatives can be inspected, thereby making it unnecessary to remove them from the envelope. A great convenience and time saver.

	Per 100	Per 1000
3 1/4 x 4 1/4	.....\$0.60	\$5.25
3 1/4 x 5 1/2	......65	6.00
4x5	......65	6.00
5x7	......75	7.00
6 1/2 x 8 1/2	.....1.75	12.00
8x10	.....1.80	12.50



**Manila Negative Preservers**

Envelopes for glass negatives made of strong manila paper, put up in packages of fifty each. Be sure to state size wanted, shipping wt 4 oz. to 1 1/2 lbs. according to size

	Single Wt.		Double Wt.	
	1, 2, 3, 4, 5		Nos. 6, 7, 8, 9, 10	
Size	Dz.	1/2 Gro.	Gro.	Dz.
5x7	\$0.35	\$1.75	\$3.30	\$0.45
6 1/2 x 8 1/2	.55	2.80	5.15	.70
8x10	.75	3.95	7.35	.95
10x12	1.15	5.85	11.00	1.45
11x14	1.40	7.40	14.05	1.75
14x17	2.10	11.30	21.45	2.65
16x20	2.75	14.95	28.70	3.45
18x22	3.40	18.25	35.30	4.25
20x24	4.00	22.00	42.60	5.00

**P. M. C. IN ROLLS**

10 ft. 20 in.	Single Wgt. 1, 2, 3, 4, 5.....	\$ 2.00
10 ft. 40 in.	.....	3.75
10 yd. 20 in.	.....	4.85
10 yd. 40 in.	.....	9.35
10 ft. 20 in.	Double Wgt. 6, 7, 8, 9.....	2.50
10 ft. 40 in.	.....	4.75
10 yd. 20 in.	.....	6.30
10 yd. 40 in.	.....	12.15

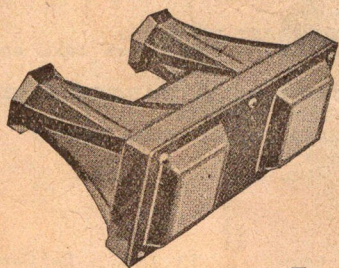
**Post Cards**

2 doz.	\$0.50	No. 10 Normal only	
		Gross \$2.35	500 Pkg. \$7.80

	Per 100	Per 1000		Per 100	Per 1000
3 1/4 x 4 1/4	\$0.25	\$2.10	6 1/2 x 8 1/2	\$0.45	\$4.15
4 x 5	.30	2.40	8x10	.55	5.30
3 1/4 x 5 1/2	.30	2.40	10x12	1.10	9.80
5 x 7	.35	2.70	11x14	1.20	10.50
5 x 8	.40	3.65	14x17	2.00	18.35

**DISCOUNT ON PMC**

15% on orders \$1.00 to \$2.00  
25% on orders \$2.00 and up



**TRU-VUE**

captures third dimension on movie film. Look through the stereoscopic lenses with both eyes and see the pictures beautifully transparent, enlarged and rounded into forms of Nature itself and unbelievably real.

Complete with Reel of Views .....\$1.00

**Extra Views 35 cents each**

Century of Progress #1-#2-#3-#4

Chicagoland #1-#2

Grand Canyon

**NEW VIEWS JUST RECEIVED — 35c EACH**

THREE LITTLE PIGS

THE CIRCUS

SEPTEMBER CURRENT EVENTS

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HOLLYWOOD PREMIERE

SALLY RAND and her fan dance.....50 cents

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Chicago's Photographic Headquarters

230 So. Wabash Ave.

Chicago, Ill.