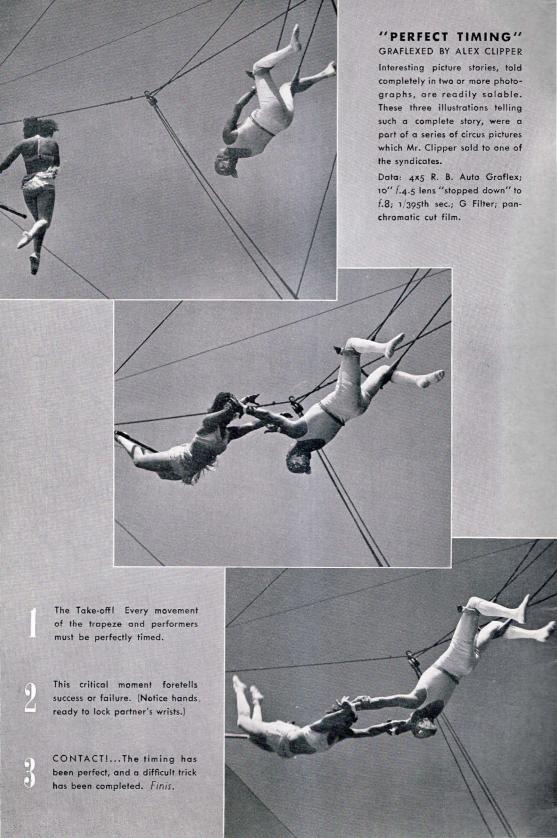
GRAFIEX

PRIZE-WINNING CAMERAS



THE AMERICAN-MADE CAMERAS FOR MORE INTERESTING PICTURES



AN UNEQUALLED PRIZE-WINNING

RECORD...GRAFLEX American-made Cameras have an unequalled prize-winning record. Year after year, these cameras prove their superiority by capturing the lion's share of the prizes in major picture contests throughout the nation.

Amateurs and hobbyists using Graflex-made equipment have shared handsomely. In Sports Afield's nation-wide amateur snap-shot contest, Graflex-made cameras won two of the three first prizes—and more of all the prizes than any other make of camera. Again, the nation's publishers, including Life, Look, Scribners, Spur, and many more, have rewarded added scores of Graflex and Speed Graphic users for fine photographs submitted for publication.

The serious worker, too, has hung up an enviable record. In U. S. CAMERA's three consecutive annual competi-

tions that have brought together the finest work of salon exhibitors and serious hobbyists, nearly half of all the monochrome photographs selected for publication were taken with Graflex and Speed Graphic Cameras.

And, in the news field where dynamic picture reporting is the order of the day, and where there is no opportunity for "re-takes" the record is even more conclusive. In the Hearst Newspaper's Annual Photo Contest, the Grand Prize picture and all three runners-up were Graflex-made. And in the Annual National News Picture Contest, for three consecutive years ALL the prizes have been won by photographers using Graflex and Speed Graphic Cameras.

Evidence, indeed, that the slogan "Prize-Winning Cameras" is founded on fact. Whether you seek prizes in the form of contest awards, salon acceptances, publisher's checks for accepted photos, or in the role of an album filled with the finest pictures you have ever made—follow a proven path by equipping yourself with Graflex and Speed Graphic American-made Prize-Winning Cameras.

PRINCIPLES OF GRAFLEX AND SPEED GRAPHIC

GRAFLEX AND SPEED GRAPHIC cameras embrace many proven features of design and operation that have made them truly "prizewinning cameras." Common to both is precision, sturdy construction that provides you with a camera that will give a lifetime of superlative service.

Quality lenses listed for each model play their part. When ordered with the camera, the selected lens is skillfully fitted so that the camera-and-lens becomes a matched unit before it leaves the factory.

Outstanding as an invaluable and timeproven feature is the Graflex focal plane shutter with which both Graflex and Speed Graphic cameras are equipped.

Graflex Focal Plane Shutter

Efficiency, uniformity of illumination and speed characterize the Graflex focal plane shutter. Its wide range of speeds, plus an ability to utilize a maximum amount of available light, assure superior results under varying light conditions. Because of the flexibility and range of the shutter, fleeting action or scenics and portraits are captured with equal facility.

The photographic light strips reproduced below graphically show the added light-transmitting ability of the Graflex focal plane shutter and its superior uniformity of illumination when compared with a between-the-lens shutter. These strips represent actual photographs made with identical lenses during exposures of 1/100 second.



This strip, made through a Graflex focal plane shutter, shows uniform illumination throughout the entire ten flashes,



This strip indicates that the between-the-lens shutter is "wide open" during the fifth and sixth flashes only.

Graflex Cameras Provide Direct Full-Vision Ground Glass Focusing

Direct full vision ground glass focusing through the same lens that takes the picture is a traditional feature of Graflex cameras. Seeing the picture on the ground glass... full size, right side up, and to the instant of exposure... enables you to easily capture fleeting expressions, swift action, or ideal composition. Guesswork is eliminated.

If you have never looked into the focusing hood of a GRAFLEX, you have a truly marvelous thrill in store. The *simplicity* plus the *certainty* of the Graflex method of focusing (presented on the opposite page) will give you finer, more interesting pictures.

Speed Graphic Cameras Offer Multiple Focusing and View Finding Means

The Speed Graphic has no less than three methods for focusing, and two complete systems for viewing the subject while "shooting" it.

In focusing the camera for a given picture, you can optionally: (1) estimate the distance to the subject—and then use the calibrated footage scale; (2) enjoy ground glass focusing by means of a focusing screen or panel at the back of the camera; or, (3) utilize any one of three range finders which are regularly available to the camera as optional accessories.

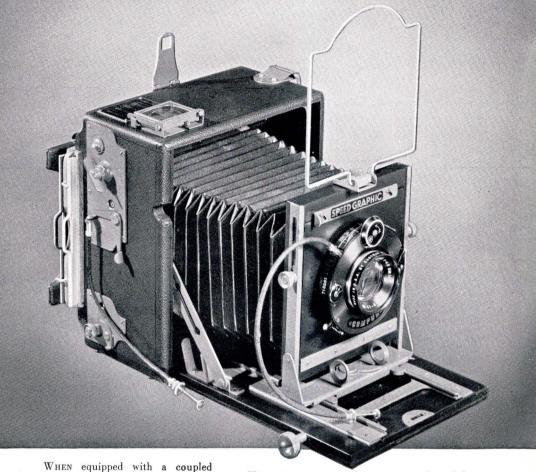
In viewing the subject while "shooting" it, you can use, (1) the peepsight and wire frame finder combination; or, (2) the optical view finder.

Little wonder that the Speed Graphic so completely meets the requirements of so many, and makes prize-winning pictures for a legion of owners!

Graflex and Speed Graphic cameras offer you a whole new world of picture-taking possibilities. Graflex simplicity and versatility, combined with proven principles and features, are equal to every picture opportunity. Truly, Graflex-Made cameras are different cameras—the cameras that take the prizewinning pictures.



SPEED GRAPHIC



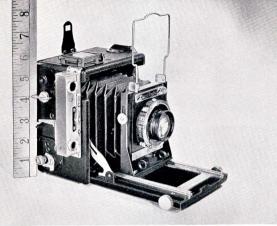
When equipped with a coupled range finder and a photoflash synchronizer, the Speed Graphic is truly an all-purpose camera—equal to every picture opportunity.



HERE is a camera whose range of usefulness is almost unlimited. Because it is the universal favorite of amateurs, professionals, and press photographers, it is safe to say that more people have looked at pictures taken with Speed Graphics than with any other camera.

No other camera offers the recognized Graflex focal plane shutter in combination with: interchangeable speed, telephoto, and wide angle lenses; between-the-lens shutter; photoflash synchronization; eye-level view finders; accessory coupled range finders; ground glass focusing; and, long bellows draw for one-to-one copying. With so many advanced features in so compact a unit, the Speed Graphic is "the all purpose camera."

Complete details on Page 22. See Supplement for camera, lens and accessory prices,



The Miniature $2\frac{1}{4}$ x $3\frac{1}{4}$ Speed Graphic is only $3\frac{1}{2}''$ deep, $4\frac{7}{8}''$ wide and $5\frac{1}{2}''$ high—hardly as tall as two packs of cigarettes!

$2\frac{1}{4} \times 3\frac{1}{4}$, $2\frac{1}{4} \times 3\frac{1}{4}$ R.B., $3\frac{1}{4} \times 4\frac{1}{4}$, 4×5 , 5×7

The 2½ x 3½ R.B. unit, made up of an allmetal 2½ x 3½ Revolving Back fitted to the 3½ x 4½ camera chassis, combines economy of operation with added versatility. Supplied in "Graflex Back" style to accept Graflex film and plate attachments.

The 3½ x 4½ and 4 x 5 Speed Graphics are available with either the "Graphic Back" or the "Graflex Back." The "Graphic Back" style has a built-on spring actuated ground glass focusing screen, this back accepting both the Graphic press cut film holders and the Kodak film pack adapter. The "Graflex Back" interchangeably accepts all Graflex film and plate accessories including the Graflex focusing panel.



The 5 x 7 Speed Graphic is principally used for commercial, industrial and color photography where larger negative sizes are desirable. Available with "Graphic Back" or "Graflex Back."

Illustrated are three of the five prize-winners in the 1938 National News Picture Contest. All five were made with Speed Graphic cameras loaded with Eastman Panchro-Press Film. From top to bottom:

"Hindenburg" Speed Graphic "shot" by Samuel Shere of International News Photos. Data: 1/40 sec.; f.4.5.

"Times Square" Speed Graphic "shot" by Ernest Sisto of Times Wide World, Data: 1/20 sec.; f.6.3.

"Tragic Splendor" Speed Graphic "shot" of a wrecked air liner (center) and rescue pack train (right) by Ralph Forney of the Ogden (Utah) Standard-Examiner. Data: 1/280 sec.; f.8, Wing of plane served as sunshade.

MINIATURE 21/4 x 31/4

This brand new Miniature 2½ x 3½ Speed Graphic is 36% smaller than any Speed Graphic camera ever built. Yet, it embraces all the features of the larger Speed Graphics... plus these new and advanced ones; • focal plane shutter flash synchronization • all-metal bed • helical racks and pinions • precision Vernier footage scales • dual focusing controls • interchangeable molded lensboards • satin chrome trim • internally coupled accessory range finder.

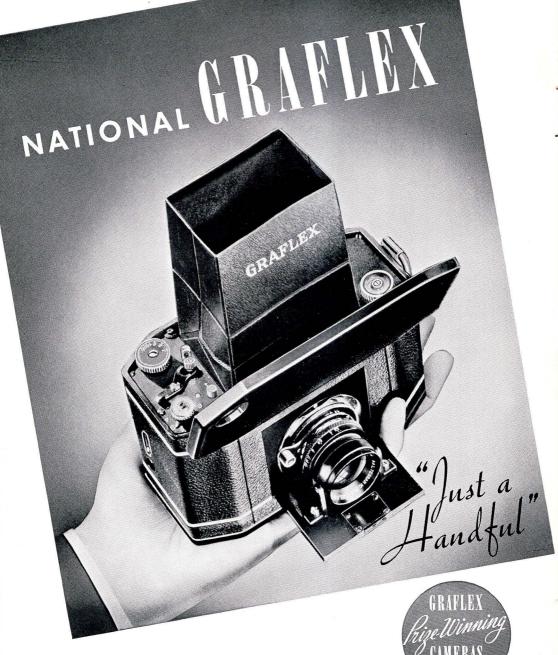
Available with "Graflex Back" or "Graphic Back," together with representative accessory equipment.

Light, compact, and easy to carry . . . the Miniature 2½ x 3½ Speed Graphic is a "natural" for close-ups, action shots, scenics, pictorial studies, and all-around finer "shooting" night or day.









Here is the finest of miniature reflex cameras! "Just a handful" in size, it makes big pictures $2\frac{1}{4}$ " x $2\frac{1}{2}$ "... and embodies these big-performance features:

Self-erecting top cover... built-in exposure guide... automatic film measuring meter... film lock that holds the film taut for each exposure... ruby window cover... built-in micro-focuser... f.3.5 B. & L. Tessar lens... Graflex focal plane shutter, with speeds to 1/500 second... accessory self-timer that provides controlled exposures up to ten full seconds... and Graflex full vision ground glass focusing.



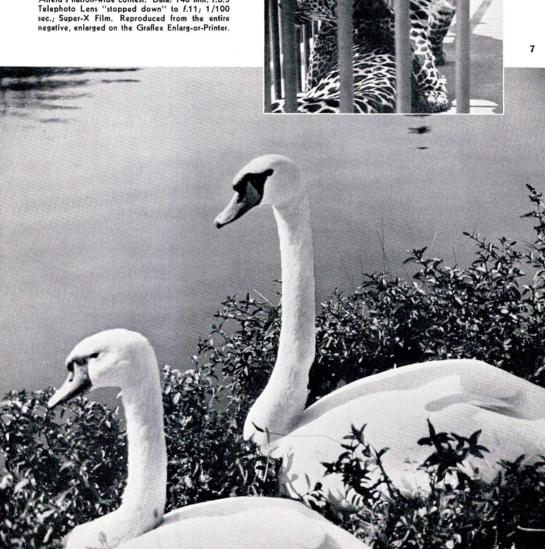
National GRAFLEX Telephoto Lens

More and more hobbyists and amateurs are finding the National Graflex the ideal small camera for prize-winning pictures. The accessory 140 mm. f.6.3. Telephoto Lens brings new picture-taking possibilities within the range of this already-versatile camera.

Naturalist, sportsman, pictorialist and hobbyist—all find the telephoto lens a valuable accessory since it is so readily interchanged with the standard lens, almost doubling the image size of the subject when in use.

Right: "Mr. Tiger's Leopards" National Graflexed by William Tiger. Received a Printer's Ink cash award. Data: £8, 1/60 sec., Panatomic Film. Reproduced in actual National Graflex contact print size—2½ x 2½.

Below: "Mr. and Mrs." National Graflexed by O. E. Hacker. A First Prize Winner in Sports Afield's nation-wide contest. Data: 140 mm. f.6.3 Telephoto Lens "stopped down" to f.11; 1/100 sec.; Super-X Film. Reproduced from the entire

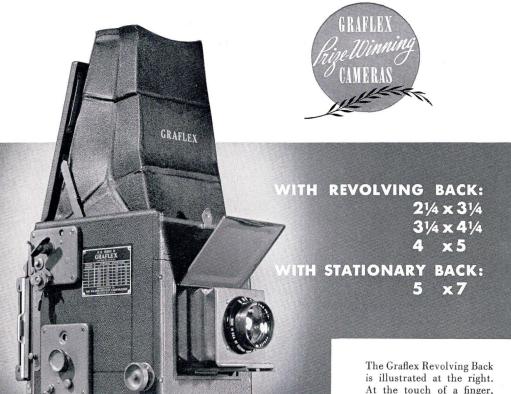


SERIES B · GRAFLEX

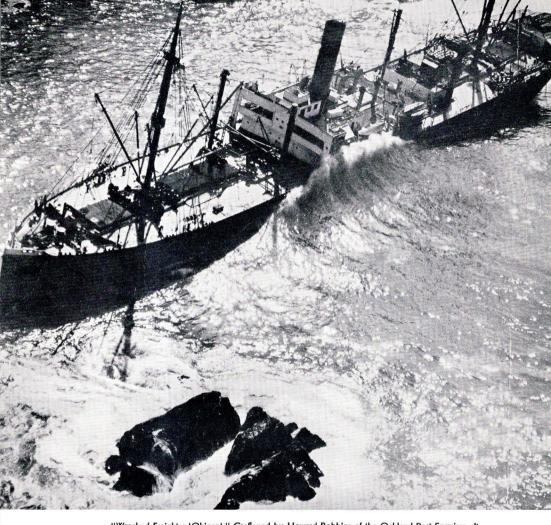
BECAUSE it is essentially an all-around camera, the reliable Series B GRAFLEX has naturally enough achieved favor in the hands of photographers everywhere—amateurs and professionals alike. The popular prices prevailing for the several sizes place them within the reach of all who appreciate and seek fine camera equipment.

A Matched Instrument—Each series B is a matched instrument—fitted with a Kodak Anastigmat f.4.5 lens by skilled Graftex craftsmen and ready to produce vivid prints . . . excellent negatives for enlargement . . . and prizewinning pictures.

The sturdy metal front, into which the Kodak lens threads, immediately accepts for interchangeable use any of the accessory telephoto lenses listed on page 25 and in the price supplement.



is illustrated at the right. At the touch of a finger, the film can be instantly rotated for horizontal or vertical use.



"Wrecked Freighter 'Ohioan' " Graflexed by Howard Robbins of the Oakland Post-Enquirer. It won First Prize in the Hearst Newspapers' Annual Photo Contest. Data: 4×5 R. B. Series B; $12\frac{1}{2}$ " Telephoto Lens; Made from an airplane flying 300 feet above the water.

Graflex Features — Graflex full vision ground glass focusing and the Graflex focal plane shutter combine to deliver superior results throughout the Series B's twenty-five shutter speeds ranging from 1/5 to 1/1000 sec. And, when the occasion arises, the camera can be instantly set for time exposures.

Any Series B Graflex accepts inter-

changeably all Graflex film and plate accessories listed for the respective camera sizes—thus enabling the owner to use his choice of negative material.

Revolving Back—Each of the three smaller Series B cameras is equipped with a Revolving Back—a light-tight turn-table to which the film or plate accessory is attached by means of a simple slide lock. At the touch of a finger the film can be instantly rotated to accommodate horizontal or vertical subjects with equal facility.

The 5 x 7 Series B equipped with stationary back, is remarkably compact for a camera making such generous-sized pictures.



Complete details on Page 22 and 23. See Supplement for camera, lens and accessory prices.

SERIES D - GRAFLEX



When difficult—almost impossible—photographic conditions are encountered, the Series D Graflex best demonstrates its unparalleled versatility.

Its removable lensboard accepts the f.4.5 Kodak Anastigmat lens and others as fast as f.2.9. This facility, when combined with the Revolving Back, Graflex ground glass

focusing, and Graflex focal plane shutter, gives to the user an array of advantages that hurdle picture-taking limitations. Add to these a built-in lens-shade, increased bellows length and a means for using roll film, cut film, packs or plates—and it becomes easy to see why the Series D GRAFLEX has achieved such universal popularity.

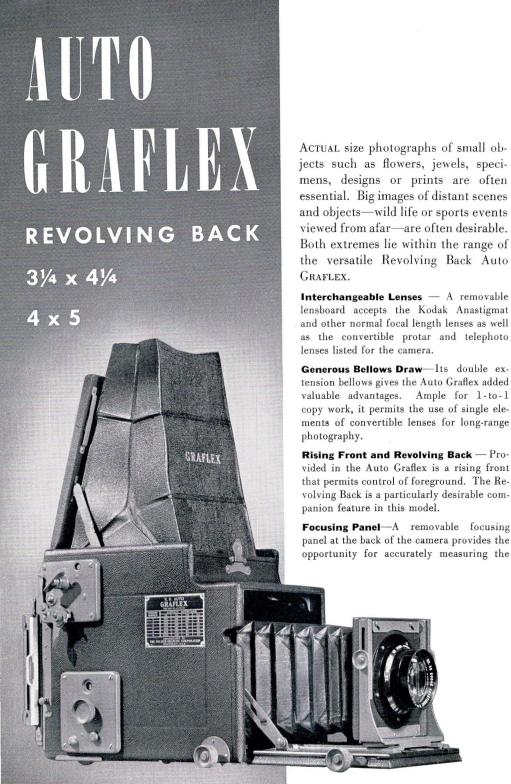
3½ x 4½ 4 x 5 Amateurs and professionals, scientists and explorers, know the Series D Graflex for the all-around excellent picture-maker it is. And in the news field, it is generally regarded as "tops" for sports and feature news photography.

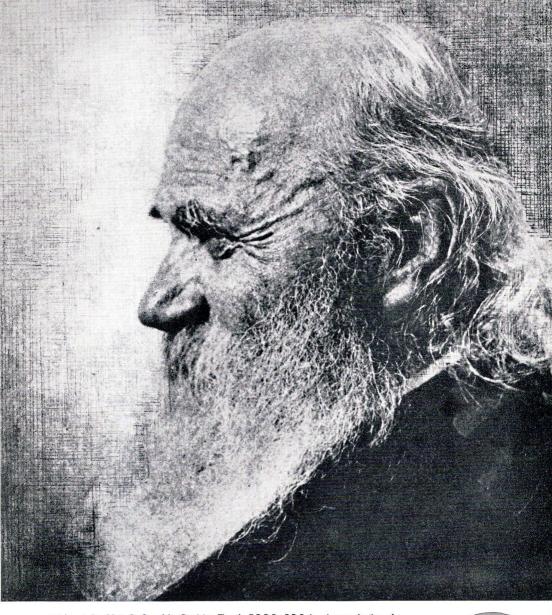
Because so many discriminating photographers use the Series D Graflex, many of the most outstanding pictures in national magazines, newspapers, and salon exhibits are made with this camera. The picture below is an example. Because of its striking character and wealth of detail, it was selected for one of the covers of LIFE magazine.

"White Leghorn Rooster." LIFE bought it . . . and a $3\frac{1}{4} \times 4\frac{1}{4} R$, B. Series D Graflex in the hands of Torkel Korling made it. Data: 1/50 sec.; f.22.

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"Tolstoy's Double" Graflexed by Dr. Max Thorek, F.R.P.S., F.R.S.A. A reproduction of a salon print that has received gold, silver and bronze medals and a score of diplomas—and has never been turned down in any salon competition. Data: $3\frac{1}{4} \times 4\frac{1}{4} R$, B. Auto Graflex; f.4.5; 1/350 sec.

image or examining it under magnification. An invaluable aid in specimen or critical copy work.

Other Features—These valuable features are combined with Graflex ground glass focusing, the Graflex focal plane shutter, and interchangeability of film and plate accessories—making of the Auto Graflex an extremely versatile and elastic instrument.

Justly this camera has earned the respect and admiration of advanced amateurs, salon exhibitors, professionals and laboratory technicians. It is ideally serv-

ing scientists, nature and outdoor photographers and those with unusual and exacting photographic demands and requirements.



PROPESSIONALS ALLER PROPESSIONALS ALLER ON Decognition with ON Decognition with CRAPHIC Cameras SPERI GRAPHIC GRAPHIC



KARL BARLEBEN, F.R.P.S. New York, N. Y.



ROWENA BROWNELL Providence, R. I.



DORIS DAY New York, N. Y.



ALFRED DE LARDI F.R.P.S., F.R.S.A. Philadelphia, Pa.



FRANK R. FRAPRIE F.R.P.S. Boston, Mass.



ZANE GREY Altadena, Calif.



FORMAN HANNA F.R.P.S. Globe, Ariz.



REV. BERNARD R. HUBBARD, S.J. New York, N. Y.



FRANKLIN I. JORDAN F.R.P.S. Newton Highlands, Mass.



TORKEL KORLING Chicago, III.



CY LA TOUR Philadelphia, Pa.



EDWARD P. McMURTRY



KARL OBERT Santa Barbara, Calif.



FRED P. PEEL, F.R.P.S. Chester, Pa.



ROBERT RIPLEY New York, N. Y.



H. ARMSTRONG ROBERTS Philadelphia, Pa.



KIP ROSS, A.R.P.S. New York, N. Y.



SASHA A. SIEMEL Matto Grosso, Brazil, S. A.



MAJ. ALBERT W. STEVENS Dayton, Ohio



DR. RICHARD L. SUTTON F.R.G.S. Kansas City, Mo.



DR. MAX THOREK F.R.P.S., F.R.S.A. Chicago, III.



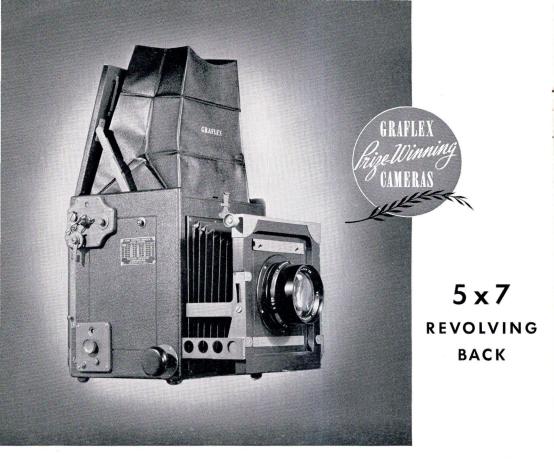
LENA TOWSLEY
New York, N. Y.



DR. PAUL E. TRUESDELL, Montclair, N. J.



RICHARD K. WOOD N. Chattanooga, Tenn.



HOME PORTRAIT GRAFLEX

In this camera, Graflex direct full vision focusing has been combined with an especially adapted focal plane shutter and other special features to provide a truly outstanding camera for interior home portrait photography.

The Home Portrait Graflex has a lens-front that raises, lowers and tilts. Its sensitive finger-tip focusing control and Revolving Back are invaluable. Kodak Anastigmat and other f.4.5 lenses as well as f.3.5 and telephoto lenses are interchangeably usable. The large film area of this camera—5" x 7"—permits securing big images without approaching too closely to the subject. Its focal plane shutter provides 24 speeds from 1 full second to 1/500 second.

With this portable camera, the user can move about freely, watching his subject in the hood . . . keeping his subject in perfect focus . . . always ready to capture that perfect instant of expression.

Special Press Model—The unusual features of the Home Portrait Graflex have proved invaluable in the news field. For their specific use—sports and long range photography—the camera is equipped at a slight extra

cost with a special focal plane shutter having speeds up to 1/1000 second. Regularly listed 20'' and 24'' telephoto lenses are used. Or, on special order, lenses as long as 40'' can be especially fitted.

CROWN VIEW CAMERA

4×5

A legion of hobbyists and serious workers have welcomed this camera—a Graflex-made view camera that is small and compact and uses economical 4 x 5 film (or $3\frac{1}{4} \times 4\frac{1}{4}$ size if one of the available reducing backs is used). The many advanced features incorporated in this camera give it versatility and flexibility that make it invaluable for allaround serious work. And its film size, while providing the utmost in view camera economy, is sufficiently large to make brilliant enlargements without loss of detail. Available in two finishes—Satin Chrome or Sandblast Brass.

Interchangeable Lenses—The 4" x 4" lensboard allows the use of a wide variety of lenses—wide angle, telephoto and speed. Owners of Graflex and Speed Graphic Cameras will find this camera a natural complement to their equipment inasmuch as their present lenses may be used.

Long Bellows Draw—Provision of a bellows extension of 19" makes this camera ideally adapted for copying work and for extreme close-ups. Large images may be had even with long focal length lenses. With short focal length lenses, direct magnification is obtained.

Rear Extension Bed—This feature becomes invaluable when operating the camera

Rising, Falling and Shifting Front—Here is one of the reasons why this camera is a perfect medium for those who engage in architectural and interior photography. A rise of 1'' from center, a fall of $\frac{13}{16}''$ from center and a lateral shift of $1\frac{3}{16}''$ from center provide the flexibility sought by serious workers.

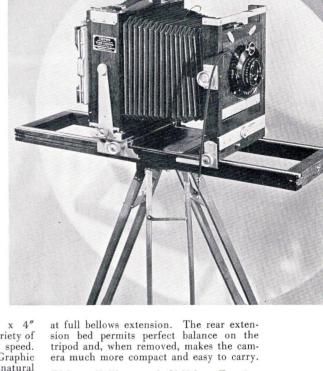
Tilting and Swinging Back—For correction of distortion or wilful creation of distortion the back of this camera swings horizontally and tilts as much as 12 degrees

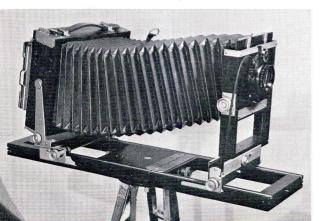
from center—important features in the creation of artistically fine prints.

Ground Glass Focusing— The spring-actuated ground glass focusing screen is always in focusing position, the film holders slipping easily into place in front of it. Composition and lighting may be easily studied and images

Extreme flexibility is given the 4 x 5 Crown View Camera by its rising, falling and shifting front and its tilting and swinging back.

measured if desired.







National Graflex Accessories

The range of accessories available for the National Grafiex tremendously broadens the scope of this popular camera. The use of appropriate accessories often spells the difference between an average record picture and an exceptional, prize-winning accomplishment. Choose from these worthy ones.

Telephoto Lens—The 140 mm. f.6.3 B & L Telephoto Lens with detachable sunshade, almost doubles the image size from a given distance.

Direct View Finder—for candid or eye level photography.

Sunshade—Effectively shielding extraneous sky and sun light from the regular lens, it makes for more brilliant negatives and finer pictures.

Filters and Copying Attachments—contribute handsomely toward better pictures. Ten filters and two copying attachments are regularly supplied for the 75 mm. lens; four filters for the 140 mm. telephoto lens.

Carrying Cases—Four are available. Most in demand is the grain-leather Sportsman's Case which holds the camera while in use. Popular too are the regular grain-leather case and the foldable suede case. Almost indispensable is the grain-leather Telephoto Lens case. And, most desirable of all is the Carry-All case, which holds the camera and all accessories except tripod.

Accessory Self-Timer—for both delayed exposures and slow speeds from $\frac{1}{2}$ second to 10 full seconds.

Crown Jr. Tripod—a handsome, compact ebony tripod of ideal height for the *National* Graflex and other miniature cameras.

To Add to Your Picture-taking Pleasure

Kodak Anastigmat f.4.5 Lenses — For definition and flatness of field, these lenses are the peer of any made. Available both in barrel and in between-the-lens shutter, they are listed and recommended for GRAFLEX and Speed Graphic cameras.

Graflex Carrying Cases—are made of selected leather, lined with corduroy, and fitted with lock and key. Each accepts the camera with any Graflex film or plate accessory fitted to it.

"Photographic Enlarging"—A complete enlarging book written by a master of the subject, Franklin I. Jordan, F.R.P.S. Contains 224 pages comprising 19 chapters and 75 illustrations. Invaluable in every library.

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Crown Tripod—Strong, steady and dependable, the Crown Tripod is the favorite in the field. Made of oil-soaked and water proofed selected cherry.

Crown Tripod Tilting Top is a valuable companion accessory, permitting the movement of the camera through a 180 degree arc—from horizontal to vertical.

Dividing Graflex Back—Available in both the 3½ x 4½ and 4 x 5 sizes, the Dividing Graflex Backs make two pictures on each film or plate. Each size fits all like-sized Graflex cameras as well as the Speed Graphic with "Graflex Back." Accepts all Graflex film and plate accessories.

For further details and prices of the accessory equipment described on this page, please turn to Supplement.



GRAFLEX FILM AND PLATE ATTACHMENTS

GRAFLEX ROLL HOLDER

In the Graflex Roll Holder, a positive film lock affords plate-like efficiency to the 6-exposure roll film used. (S.S. Panchromatic, Panatomic and Verichrome are regularly supplied for the smaller listed sizes; Verichrome only for the 7 x 5 size.) This desirable accessory is detachable at will and interchangeable with other Graflex attachments. Sizes provided: $4\frac{1}{4} \times 3\frac{1}{4}$ (No. 51 C); 5 x 4 (No. 53 C); and 7 x 5 (No. 54).

GRAFLEX FILM PACK ADAPTER

When quick re-loading counts, the Graflex Film Pack Adapter is fully appreciated. Twelve-exposure daylight loading packs for it are widely distributed in a choice of emulsions, a contributing factor to its popular appeal. The Graflex Film Pack Adapter interchanges with other Graflex attachments.

Sizes provided: $2\frac{1}{4} \times 3\frac{1}{4}$; $3\frac{1}{4} \times 4\frac{1}{4}$; $3\frac{1}{4} \times 5\frac{1}{2}$; 4×5 ; and 5×7 .

GRAFLEX CUT FILM AND PLATE MAGAZINES

The Graflex Cut Film Magazine affords the user the greatest selection of negative material—the wide variety of emulsions available in cut films. The films may be removed singly or in multiples for development, as the occasion demands.

THE GRAFLEX PLATE MAGAZINE gives the same advantages to users of dry plates.

Both magazines are interchangeable with other Graflex attachments.

Sizes provided: 12 cut films, capacity: $2\frac{1}{4} \times 3\frac{1}{4}$; $3\frac{1}{4} \times 4\frac{1}{4}$; 4 x 5; and 5 x 7. 12 plates, capacity: $3\frac{1}{4} \times 4\frac{1}{4}$; 4 x 5; and 5 x 7. 18 cut films, capacity: $3\frac{1}{4} \times 4\frac{1}{4}$; and 4 x 5.

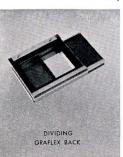
GRAFLEX CUT FILM AND PLATE HOLDERS

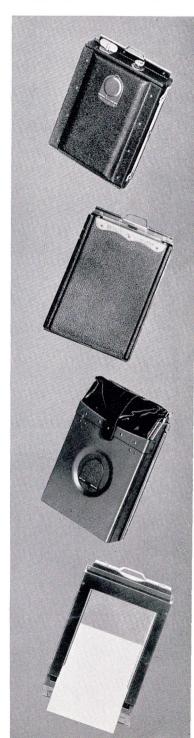
THE GRAFLEX CUT FILM HOLDER, too, affords the user the widest choice of negative material. The holder, interchangeable with other GRAFLEX attachments, accepts two films which may be removed singly for development.

THE GRAFLEX PLATE HOLDER affords like advantages to the user of dry plates and color plates.

Sizes provided: 2½ x 3½; 3½ x 4½; 4 x 5; and 5 x 7. (Graphic Cut Film Holders are supplied for the 2½ x 3½, 3½ x 4¼ and 4 x 5 Speed Graphics with Graphic Back; Century holders in the 5 x 7 size.)

For prices, please turn to Supplement.





GRAFLEX ENLARG-OR-PRINTER

This precision instrument will let you enjoy all the fun a well-equipped darkroom offers. For it is an enlarger, a contact printer, and a retouching desk all in one. Yet it is extremely compact-measuring only 11½" x 13¼" x 263/8" completely portable and ideally suited for use wherever electric current is available, or where space is limited.

The GRAFLEX ENLARG-OR-PRINTER is equally adept at making slow-process controlled enlargements, or high-speed quantity production of contact prints, announcements, greeting cards, and the like. Its complete qualifications for handling these types of work and countless more are disclosed in the following partial outline of its many features.

As an Enlarger—the ENLARG-OR-PRINTER accepts all miniature negatives up to and including $2\frac{1}{4}$ " x $3\frac{1}{4}$ "—or even $2\frac{1}{4}$ " x $3\frac{1}{4}$ " sections of negatives as big as 4" x 5". Standard platen top takes 8" x 10" or smaller paper, with an easy means for using larger paper on it when wide borders are desired. The Extension Top accepts paper as large as 11" x 14". And when the unit is used horizontally, enlargements can be made in sizes limited only by the quality of the negative.

As a Contact Printer—negatives as large as 8" x 10" or, with the Extension Top, 11" x 14"—can be handled. Adjustable masking blades, with which both platen tops are equipped, hold negatives flat for printing, and make for uniform borders.

As a Retouching Desk—because the light is projected

upward to the top platen glass, the unit serves this purpose admirably. The platen top swings out of the way when the instrument is so used.



And These Features: Light (from a No. 1 Photoflood lamp) is scientifically diffused; patented construction of lamphouse provides ventilation and heat radiation, safeguarding negatives; two light intensities are provided, governed selectively by individual switches; automatic built-on platen switches (in both the standard and Extension Tops) "step up" the light when the handle is pressed; the upper section, which telescopes over the lower, is counter-balanced; the tilting top corrects or creates distortion; and "mirror dodging"-a unique and effective method of local control-makes for more accurate dodging and more pleasing results.

Almost a Complete Darkroom in Itself



Dodging Mirror—An adjustable mirror enables you to see the whole image of your projected picture every second during the dodging operation.



STRIP AND CUT FILM HOLDERS—The strip film holder simplifies enlarging from 35 mm. negatives in strips. A book-type negative holder handles cut-up films.



"Ground Glass" Focusing
—Projecting image of negative upward onto an unbreakable focusing screen so a magnifier can be used, assures sharper enlargements.



RETOUCHING DESK — With top tilted, platen glass serves as retouching desk. Dual intensity controlled lighting gives subject desired transparency.



Interchangeable Lensboard—Use your own lens, if of suitable focal length, or your choice of the many listed. Lenses may be changed quickly and easily.



THE CONDENSER AND AIR CIRCULATOR—The condenser concentrates the light, gives shorter exposures, steps up speed. The air circulator efficiently disperses the heat.



HINGED FOCUSING SCREEN— This accessory is "hinged" so that it may be quickly swung into position for focusing . . . then out of the way when the enlargement is to be made.



11" x 14" EXTENSION TOP— Permits the making of 11" x 14" enlargements or contact prints. Equipped with masking blades and automatic switch for speedy operation.

Three new accessories combine with the regular Enlarg-or-Printer features to give this favorite darkroom unit even greater usefulness and versatility.

Condenser and Air Circulator—These two units are supplied as a combination, for one supplements the other. The condenser unit is designed for use with 35 mm. negatives. It concentrates the light, shortens exposures, speeds up the making of contact prints and enlargements.

The motor-driven air circulator supplied with the condenser unit rapidly disperses the concentrated heat, circulates the air, keeps the entire unit cool, protects the negative during long exposures, and prolongs the useful life of the lamp. The condenser and air

circulator can be installed or removed from the Enlarg-or-Printer at a moment's notice.

Hinged Focusing Screen—this worthwhile accessory is described above. A great added convenience and time saver.

The New 11 x 14 Extension Top — with built-on automatic switch and masking blades—is similarly described above. A mightly useful accessory.

Details

Overall dimensions $11\frac{1}{2}$ " x $13\frac{1}{4}$ " x $26\frac{3}{8}$ " Weight, complete 22\frac{1}{4} lbs. Standard Lensboard 2\frac{1}{2}" sq. Electric current used 110-120 volts; or 220 volts with suitable lamps

FEATURES AND DETAILS

SPEED GRAPHIC

INTERCHANGEABLE LENSES—A large removable lensboard and long bellows permit the interchangeable use of a wide selection of speed, wide angle, and telephoto lenses.

Broad Exposure Range—The focal plane shutter in combination with a between-thelens shutter affords controlled exposures ranging from one full second to 1/1000 second.

Ground Glass Focusing—Those accustomed to ground glass focusing will enjoy using the Speed Graphic's ground glass focusing panel. This panel is built on those cameras supplied with the "Graphic Back" which accepts Graphic holders and the Kodak film pack adapter. Cameras supplied with "Graflex Back" use the accessory Graflex Focusing Panel interchangeably with all Graflex film and plate accessories.

COUPLED RANGE FINDERS—The coupled range finder, a popular accessory, rounds out the Speed Graphic as the only all-purpose candid camera.

PHOTOFLASH SYNCHRONIZATION—With a synchronizer-equipped Speed Graphic, you can *start* your "picture-shooting" when the sun goes down.

Details

2½" x 3½"; Bellows capacity: 9"; Lensboard: 2½" square; Focal plane shutter speeds: 24 from 1/10 to 1/1000 and "time;" Built-in focal plane shutter flash synchronization. Available with either "Graphic Back" or "Graflex Back."

2½"x 3½"R.B. Picture size: 2½"x 3½"; Bellows capacity: 12"; Lensboard: 3½" square; Focal plane shutter speeds: Twenty-four from 1/10 to 1/1000 sec. and "time;" Revolving Back. Supplied only with "Graflex Back."

 $31\!/\!4''$ x $41\!/\!4''$ Picture size: $31\!/\!4''$ x $41\!/\!4''$; Bellows capacity: 12"; Lensboard: $31\!/\!4''$ square; Focal plane shutter speeds: Twenty-four from 1/10 to 1/1000 sec. and "time." Available with either "Graphic Back" or "Graflex Back."

4" \times 5" Picture size: 4" \times 5"; Bellows capacity: $13\frac{1}{2}$ "; Lensboard: 4" square; Focal plane shutter speeds: Twenty-four from 1/10 to 1/1000 sec. and "time." Available with either "Graphic Back" or "Graflex Back."

5" x 7" Picture size: 5" x 7"; Bellows capacity: 16"; Lensboard: 4" square; Focal plane shutter speeds: Twenty-four from 1/10 to 1/1000 sec. and "time." The 5 x 7 Speed Graphic, when supplied with "Graphic Back," accepts Century Riteway film holders and the Kodak film pack adapter; with "Graflex Back," it regularly accepts Graflex film and plate accessories.

National GRAFLEX

Instant Action—Top cover "pops" open and focusing hood springs into position instantly at the touch of a button. Ready for immediate action!

BUILT-IN EXPOSURE GUIDE—Accurately calibrated for all picture-taking hours of the day, and for all months of the year, this guide goes far in taking the guesswork out of picture-taking.

FILM MEASURING METER—A special meter and film lock, which automatically measures the film as you wind it after each exposure, gives ten 2½ x 2½ pictures from each No. 120, 8-exposure roll of either black and white or color film.

BUILT-IN MICRO-FOCUSER—Out-of-focus pictures are avoided through the use of the built-in micro-focuser which magnifies the ground glass image . . . making it easy to see when your subject is accurately focused.

Graflex Focal Plane Shutter—The National Graflex is provided with the dependable Graflex focal plane shutter which transmits one third more light than a between-thelens shutter.

Details

Picture size: $2\frac{1}{4}$ " x $2\frac{1}{2}$ "; Lens: 75 mm. f.3.5 B & L Tessar; Focal plane shutter speeds: Eight from 1/30 to 1/500 second and "bulb;" Accessory self-timer provides eleven additional exposures from $\frac{1}{2}$ second to 10 full seconds.

TELEPHOTO LENS—An accessory 140 mm. f.6.3 B & L telephoto lens practically doubles the image size.

R. B. SERIES B GRAFLEX

Graflex Features—Graflex full vision ground glass focusing and the Graflex focal plane shutter prepare the Series B for truly superior results. Versatile, too, using cut film, film packs, roll film or plates.

REVOLVING BACK—On all models except 5 x 7, the Graflex Back revolves to facilitate instant positioning of the film or plate medium for either horizontal or vertical subjects.

A MATCHED INSTRUMENT—The Series B is a matched instrument, fitted by GRAFLEX experts with a Kodak Anastigmat f.4.5 lens.

Details

 $2\frac{1}{4}$ " x $3\frac{1}{4}$ " Picture size: $2\frac{1}{4}$ " x $3\frac{1}{4}$ "; Bellows capacity: $7\frac{3}{16}$ "; Focal length of Lens: $5\frac{1}{2}$ "; Closest working distance: 21"; Focal plane shutter speeds: Twenty-five from 1/5 to 1/1000 and "time;" Revolving Back.

 $3\frac{1}{4}$ " x $4\frac{1}{4}$ " Picture size: $3\frac{1}{4}$ " x $4\frac{1}{4}$ "; Bel-

lows capacity: $8\frac{7}{16}''$; Focal length of lens: $6\frac{3}{8}''$; Closest working distance: 23''; Focal plane shutter speeds: Twenty-five from 1/5 to 1/1000 and "time;" Revolving Back.

4" x 5" Picture size: 4" x 5"; Bellows capacity: 101/8"; Focal length of lens: 7½"; Closest working distance: 27"; Focal plane shutter speeds: Twenty-five from 1/5 to 1/1000 and "time;" Revolving Back.

5" x 7" WITH STATIONARY BACK-Picture size: 5" x 7"; Bellows capacity: 11"; Focal length of lens: $8\frac{1}{2}$ "; Closest working distance: 29"; Focal plane shutter speeds: Twenty-five from 1/5 to 1/1000 and "time;" Stationary Back.

R. B. SERIES D GRAFLEX

INTERCHANGEABLE LENSBOARD—Ability to use a wide range of lenses, easily interchangeable, gives the Series D GRAFLEX a broad range of utility.

REVOLVING BACK—The Graflex back revolves to facilitate instant positioning of the film or plate medium for either horizontal or vertical

Graflex Features—Graflex full vision ground glass focusing, "where you see the image full size and right side up until the instant of exposure," and the proven Graflex focal plane shutter, are important Series D features.

OTHER FEATURES—Generous bellows length, built-in lens shade and ability to use cut film, roll film, film packs or plates give added versatility. Details

31/4" x 41/4" Picture size: 31/4" x 41/4"; Bellows capacity: 81/4"; Lensboard: 31/4" square; Minimum focus of lens accommodated: 6"; Focal plane shutter speeds: Twenty-five from 1/5 to 1/1000 second and "time;" Revolving Back.

4" x 5" Picture size: 4" x 5"; Bellows capacity: 12"; Lensboard: 33/4" square; Minimum focus of lens accommodated: 7"; Focal plane shutter speeds: Twenty-five from 1/5 to 1/1000 second and "time;" Revolving Back.

R. B. AUTO GRAFLEX

LONG BELLOWS DRAW-Permits full-sized pictures of specimens or subjects to be obtained. Ideal for large close-ups in extremely sharp detail.

INTERCHANGEABLE LENSBOARD—Easy interchangeability of regular, convertible, and special purpose lenses gives the Auto

GRAFLEX broad versatility.

REVOLVING BACK—RISING FRONT—Revolving Back greatly facilitates the taking of horizontal and vertical pictures, while the rising front controls foreground. Graflex focusing panel at rear enables image to be measured or examined under magnification.

GRAFLEX FEATURES—Graflex full vision focusing, focal plane shutter, and ability to use cut film, roll film, film packs or plates are important features.

31/4" x 41/4"—Picture size: 31/4" x 41/4"; Bellows capacity: 151/2"; Lensboard: 31/4" square; Minimum focus of lens accommodated: 7"; Focal plane shutter speeds: Twenty-five from 1/5 to 1/1000 and "time;" Revolving Back.

4" x 5" Picture size: 4" x 5"; Bellows capacity: 181/2"; Lensboard: 33/4" square; Minimum focus of lens accommodated: 9"; Focal plane shutter speeds: Twenty-five from 1/5 to 1/1000 and "time;" Revolving Back.

R. B. HOME PORTRAIT GRAFLEX

LENS-FRONT VERSATILITY—A lens-front that raises, lowers and tilts, at the same time accepting a wide selection of lenses, permits unusual lens manipulation and control. Portability-Operator can move about

freely, watching his subject in the focusing hood, ready in an instant to "shoot" his

picture.

LARGE SIZE PORTRAITS—Large images may be obtained with a 5 x 7 film size without approaching the subject too closely-an important feature for home portrait work.

Details

5"x 7" Picture size: 5"x 7"; Minimum focus of lens accommodated: 10"; Bellows capacity: 1334"; Lensboard: 5" square; Focal plane shutter speeds: Twenty-four from one second to 1/500 and "time;" Revolving Back.

CROWN VIEW CAMERA

INTERCHANGEABLE LENSES—The wide variety of speed, telephoto and wide angle lenses available for this camera makes it adaptable for every view camera purpose. Owners of Graflex or Speed Graphic Cameras may use their present lenses.

Double Extension Bellows—Permits oneto-one copying and large close-ups even with long focal length lenses. With short focal lenses, direct magnification is obtained.

REAR EXTENSION BED-Because the back may be racked backward on the extension bed as the lens is racked forward, the camera can be perfectly balanced on the tripod even at full bellows capacity.

RISING, FALLING AND SHIFTING FRONT—This gives the camera the necessary flexibility for interior and architectural photography. TILTING AND SWINGING BACK—The correction of distortion or the creation of distortion is a simple and easy procedure, thanks to this camera's extremely flexible back.

GROUND GLASS FOCUSING-When the film holder is withdrawn from the camera, the ground glass focusing screen snaps automatically into focusing position. easiest and most accurate ground glass focusing method available!

Details

4" x 5" Picture size: 4" x 5"; Bellows capacity: 19"; Lensboard: 4" square, model J; Minimum bellows extension: $3\frac{9}{16}$ " Rise of front: 1" from center; Fall of front: $\frac{13}{3}$ " from center; Lateral shift of front: 13/16" from center; Horizontal swing of back: 12 degrees from center; Tilt of back: 12 degrees from center.

EQUIPMENT SUMMARY

THE following table presents at a glance the equipment and accessories available to the GRAFLEX camera you propose purchasing.

	NT.					n n		SPE	ED GRA	APHICS	
	Na- tional Series	Ser. B	R.B. Ser.	R.B. Ser.	R.B. Auto	R.B. Home Por-		Graphi	c Bacl		Graflex Back
	II	Б	В	D	Auto	trait	$2\frac{1}{4}x3\frac{1}{4}$	3½x4½	4x5	5x7	all sizes.
Graflex Film Pack Adapter		\checkmark	√	\checkmark	V	√					√
Graflex Roll Holder*		\checkmark	V	\checkmark	√	\checkmark					√*
Graflex Cut Film Holder		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark					\checkmark
Graflex Cut Film Magazine (12 Films)	λ.	\checkmark	V	\checkmark	V	V					V
Graflex Cut Film Magazine (18 Films)†	ROLL FILM ONLY			\checkmark	V						√
Graphic Film Pack Adapter	L FII						V				
Graphic Cut Film Holder	Rol							V			
Century Film Holder			-							V	
Graflex Plate Holder			√	\checkmark	\checkmark	√					V
Graflex Plate Magazine		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	-				\checkmark
Graphic Plate Holder									\checkmark		
Century Plate Holder										V	
Extra Lensboard				√	\checkmark	V	\checkmark	√	$\sqrt{}$	\checkmark	\checkmark
Carrying Case	√	\checkmark	√	\checkmark	\checkmark	√	\checkmark	√	\checkmark	\checkmark	\checkmark
Rear Focusing Panel		\checkmark	\checkmark	\checkmark	\checkmark	√	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Filters	\checkmark	\checkmark	\checkmark	√ ,	√	√	\checkmark	\checkmark	\checkmark	\checkmark	√
Sunshade	√			\checkmark							
Focusing Magnifier	√	<i>i</i> .									
Graphic View Finder	√				17			√	\checkmark	\checkmark	V
Rising Front				200		√			\checkmark	\checkmark	V

^{*}Supplied in $4\frac{1}{4}x3\frac{1}{4}$, 5x4, and 7x5 sizes only †Supplied in $3\frac{1}{4}x4\frac{1}{4}$ and 4x5 sizes only

√Indicates that accessory may be applied For prices please turn to Supplement.

COLOR PHOTOGRAPHY

Graflex cameras are ideally suited for color photography. Standard color plates are accommodated in the regular plate holders. It is only necessary to reverse the ground glass in the rear focusing panel to compensate for the difference in register of color plates.

Color films are used in the same manner as standard cut film or roll film.

LENSES

GRAFLEX AND GRAPHIC

In order that Graflex cameras may secure the superior results for which they are recognized, only excellent and proved lenses are offered as equipment for them. The table below demonstrates at a glance the versatility of Graflex cameras with regard to lenses accommodated.

Lens Speed		National Series II	5x7 Ser. B	2½x3¼ R. B. Ser. B	3½x4½ R. B. Ser. B	4x5 R. B. Ser. B	3½x4½ R. B. Ser. D	4x5 R. B. Ser. D	3½x4½ R. B. Auto	4x5 R. B. Auto	5x7 R. B. Home Portrait	2½x3½ Speed Graphic	2½x3¼ R. B. Speed Graphic	3½x4¼ Speed Graphic	4x5 Speed Graphic	5x7
f.4.5	Kodak Anastigmat		V	V	V	V	V	V	V	√	\checkmark	V	V	V	V	\
"	Bausch & Lomb						V	V	V	\checkmark	\checkmark	V	V	V	V	1
и	Cooke						V	V	V	V	V				V	
и	Dallmeyer						\vee	\checkmark	V	V	V		V		V	
"	Goerz						V	V	V	V	V		V	V	V	
"	Ross						V	V	V	V	V		V	V	V	
"	Schneider						V	V	V	V	V		V	V	V	
u	Voigtlander						V	V	V	V	V		V	V	V	
и	Zeiss						\checkmark	V	V	V	V	V	V		V	
f.3.5	Bausch & Lomb	V														
u	Cooke						V	V	V					V		
"	Dallmeyer						V	V		V	V		V	V	V	
"	Ross						V						V	V	V	
"	Schneider						V	V			V		V	V	V	TS
и	Voigtlander						V				√		V	V	V	HE
и	Zeiss						V	V			V	V	V	V	V	REC
f.2.9	Cooke						V			-				√		z
и	Plaubel						V	V						V	V	i M
TE	LEPHOTO LENSES															Z
f.6.3	Bausch & Lomb	V														101
"	Ross												√	√		INFORMATION UPON BEOUEST
u	Voigtlander			V	V											OB
f.5.6	Cooke		V	V	V	V	V	V	V	√	V	V	V	V	V	Ž
и	Dallmeyer		√	√	~	√	V	V	V	V	V	√	V	√	V	
f.5.5	Schneider						√	V	V				V	V	V	
f.4.5	Dallmeyer		V			V	V	V	V	V	V		V	1/	V	

√Indicates that lens may be fitted.

For lens prices please turn to Supplement.

THE GRAFLEX camera has attained its reputation as the most efficient of all "still" cameras through the scientific application of time-proven principles of optics by GRAFLEX experts in the GRAFLEX factory. The selection and fitting of the proper lens to the camera by these experts is of utmost importance, requiring as it does, knowledge of the Art together with extreme skill of workmanship and minute inspection. In their hands the photographic unit of GRAFLEX and lens is made a unit of perfection.

COMPARATIVE DATA

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THE following table summarizes in a comparative way some of those factors of interest to the person selecting a camera to meet specific requirements.

National	Picture Size Inches	Std. Lens Speed f. Value	Focal Length	Bellows Capacity Inches	Min. Focus	Lens*	Closest Working Distance	Lensboard	Sensitized Material Used
Series II	$2\frac{1}{4}x2\frac{1}{2}$	3.5	3"		ple-	· :	42"	- 1	Roll Film
Ser. B	5x7	4.5	8½"	11	For Telephoto lenses see supplement	Listed lens standard equipment.	29"	era	Roll Film, Film Pack, Cut Film, Plates.
R. B. Ser. B	$2\frac{1}{4}x3\frac{1}{4}$	4.5	5½"	$7\frac{3}{16}$	lenses	ndard e	21"	Lensboard part of camera	Film Pack, Cut Film, Plates.
R. B. Ser. B	$3\frac{1}{4}x4\frac{1}{4}$	4.5	63/8"	8 7 16	For Telephoto nent	lens sta	23"		Roll Film, Film Pack, Cut Film, Plates.
R. B. Ser. B	4x5	4.5	7½"	101/8	For Toment.	Listed	27"	Lensbe	Roll Film, Film Pack, Cut Film, Plates.
R. B. Ser. D	$3\frac{1}{4}x4\frac{1}{4}$	2.9 3.5 4.5		81/4	6			3¼″ Sq.	Roll Film, Film Pack, Cut Film, Plates.
R. B. Ser. D	4x5	2.9 3.5 4.5		12	7			3¾″ Sq.	Roll Film, Film Pack, Cut Film, Plates.
R. B. Auto	3½x4½	3.5 4.5		15½	7		ns used	3¼″ Sq.	Roll Film, Film Pack, Cut Film, Plates.
R. B. Auto	4x5	3.5 4.5		18½	9		h of le	3¾″ Sq.	Roll Film, Film Pack, Cut Film, Plates.
R. B. Home Portrait	5x7	3.5 4.5	elected	133/4	10)	al lengt	5″ Sq.	Roll Film, Film Pack, Cut Film, Plates.
Speed	2½x3¼	3.5 4.5	Dependent on lens selected	9			According to focal length of lens used	2½" Sq.	Graphic Back: Film Pack, Cut Film. Graflex Back: Film Pack, Cut Film, Plates.
Graphic Cameras	2½x3½ R.B. 3¼x4¼ 4x5 5x7	2.9 3.5 4.5	Depende	12 12 13½ 	Acce Wid Ang Lens	le gle	Acco	3¼" Sq. 3¼" Sq. 4" Sq. 4" Sq.	Graflex Back only: Film Pack, Cut Film, Plates. Graphic Back: Film Pack, Cut Film, Plates. Graflex Back: Film Pack, Cut Film, Plates, Roll Film.

For prices, please turn to Supplement.

^{*}Varies with make, speed, and mounting of the lens.

PHOTOGRAPHIC EQUIPMENT

The cameras and equipment herein described will be found on sale wherever photographic equipment of highest quality is sold. Dealers will gladly demonstrate the range, versatility and simplicity of operation of Graflex and Speed Graphic cameras, the Graflex

Enlarg-or-Printer, and other Graflex precision products.

GRAFLEX equipment is made by the Folmer GRAFLEX Corporation, Rochester, N.Y., U.S.A., manufacturers of:

STUDIO AND COMMERCIAL EQUIPMENT — The complete line of CENTURY, FOLMER, CROWN, and CIRKUT cameras and equipment serves every professional and commercial need.

PHOTORECORD MICROFILM CAMERA EQUIPMENT—A complete portable outfit for the rapid reproduction on 35 mm. film of printed and flat subjects in a wide range of sizes.

FINGER PRINT CAMERA AND INSPECTOGRAPH — Two practical and efficient portable cameras, with built-in illumination, for producing accurate full-sized photographic records of finger prints, signatures, jewelry, fabric patterns and other small objects.

GRAFLEX IDENTIFICATION UNIT AND FOLMER IDENTIFICATION OUTFIT

— These are two units designed to make standardized identification pictures. Both are used by police departments in the detection of criminals and prevention of crime. Correctional institutions and hospitals employ them in the registration of their inmates. Large hotels, department stores and manufacturers use them in photographically recording their personnel and in the issuance of identification passes.

SERVICE DEPARTMENT — The Service Department is maintained to provide photographic information. Graftex owners desirous of securing superior results with their equipment are invited to submit their problems or queries to this department for solution. Every helpful advice and aid will be rendered.

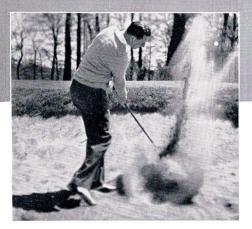
If additional information is desired regarding the above photographic equipment, you are cordially invited to write the Service Department.

GRAFLEX Products are American-Made

FOLMER GRAFLEX CORPORATION

ROCHESTER, N. Y., U.S.A.

PICTURE SIZES



Emulating contact prints, the illustrations on this page and on the inside back cover show the picture sizes obtained with the several models of Graflex and Speed Graphic cameras. Album-sized prints are yours in every instance!

21/4 x 21/2

"EXPLOSION SHOT". National Graflexed by...Dr. C. G. Morsheimer. Fast action, pictorial subjects, or portraiture—all are within the scope of the National Graflex which makes pictures in the $2\frac{1}{4}$ x $2\frac{1}{2}$ album-size.



21/4 x 31/4

"LEAP FOR LIFE". Speed Graphic "shot" by Zane Grey. A record marlin swordfish that's "in the bag" with a Graphic. Models available in the $2^{1}/_{4} \times 3^{1}/_{4}$ size include the R.B. Speed Graphic and the R.B. Series B Graflex.



31/4 x 41/4

"THE SPORT OF KINGS", reproduced from a Bromoil print. Graffexed by Franklin I. Jordan, F.R.P.S. A prize-winning picture that has received awards in no less than 27 countries!

Models available in the 31/4 x 41/4 picture size include the Speed Graphic, R.B. Series B, R.B. Series D, and the R.B. Auto Graflex.

SUPPLEMENT

GRAFLEX CATALOG

Prices herein are corrected to June 1, 1939

A LENS FOR EVERY REQUIREMENT

GRAFLEX, through its craftsmen and their years of experience, has given thorough consideration to the selection of the lenses listed herein. In each instance, such factors as speed, focal length, covering power, color correction, and perspective have been taken into account.

The Kodak and other lenses listed are therefore recommended for distinctive results. Correct installation of the lens is assured when camera and lens are purchased as a unit, since the lens in that case is fitted to the camera by Graflex craftsmen.

The fast f.2.9 lenses are invaluable when fast instantaneous shots under unfavorable lighting conditions are sought, where soft focus effects are desired, and for subjects where depth of field is of secondary importance. F.3.5 lenses offer a medium between f.2.9 and f.4.5. The f.2.9 lens is 45% faster than the f.3.5 lens, while the f.3.5 is 65% faster than the f.4.5. The depth of field with f.3.5 lenses is greater than that obtained with f.2.9 lenses, but less than that obtained with f.4.5 lenses. Fast lenses stopped down to a smaller diaphragm opening will have a depth of field comparing favorably with lenses of a corresponding maximum opening.

Telephoto lenses afford a means for making "close-ups" of distant objects. For example a telephoto lens with twice the focal length of the regular lens permits using the camera at twice the distance from the object without any loss in the size of the principal image. Due to their special design they require a bellows extension of but approximately one-half their listed focal length.

Telephoto lenses are supplied in varying speeds and focal lengths for GRAFLEX and Speed Graphic cameras—the selection meeting most every picture-making requirement.

Telephoto lenses as listed are in each instance complete and ready for attachment to the camera, prices including suitable lensboards as required.

Wide angle lenses, which are of special construction, photograph a greater area

than other lenses of a similar focal length. These lenses are conveniently used with Speed Graphic Cameras, for which accessory wide angle beds are available when required.

National Grafflex is equipped with the especially designed Bausch and Lomb Tessar f.3.5 lens of 75 mm. focal length. It also accepts interchangeably a 140 mm. f.6.3 Bausch & Lomb Telephoto Lens.

Graflex Series B and Graflex Revolving Back Series B models are equipped with Kodak Anastigmat f.4.5 lenses as standard equipment.

GRAFLEX Revolving Back Series D accepts f.2.9, f.3.5, and f.4.5 lenses interchangeably.

The Revolving Back Auto Graftex has a generous bellows draw which permits the use of convertible lenses as well as the usual single focal length Anastigmat lenses. Lenses in compur shutter can be fitted on order.

Speed Graphics can be equipped with fast lenses either in barrel or in between-thelens shutter. The latter, serving as an auxiliary to the built-in focal plane shutter, provides slower instantaneous shutter speeds and photoflash synchronization. The Miniature $2\frac{1}{4} \times 3\frac{1}{4}$ Speed Graphic cameras will accommodate f.3.5 and f.4.5 lenses in shutter. The $3\frac{1}{4} \times 4\frac{1}{4}$ and 4×5 sizes will accommodate f.3.5 and f.4.5 lenses in barrel or between-the-lens shutter as well as f.2.9 lenses in barrel. The 5×7 Speed Graphic accepts either f.3.5 or f.4.5 lenses. Wide angle and telephoto lenses are listed for these cameras.

Although the f.4.5, $5\frac{1}{4}$ " and $5\frac{1}{2}$ " lenses are designed to cover a negative area of only $3\frac{1}{4} \times 4\frac{1}{4}$ they are widely used with 4×5 Speed Graphic cameras for press photography and for special applications. In view of this, the more popular lenses of this type are listed herein for the 4×5 Speed Graphic cameras.

The Grafiex Enlarg-or-Printer has a removable lensboard which will accept lenses ranging from 2'' to $3\frac{1}{2}''$ in focal length.

PRICES

Graflex and Graphic Cameras

LENSES . ACCESSORIES . SUNDRIES

					Focal	
National GRAFLEX					Length	$2^{1}/_{4} \times 2^{1}/_{2}$
With f.3.5 Bausch & Lomb Tessar	Lens (wit	th cable rel	ease sock	ets)	75 mm	\$87.50
F.6.3 Bausch & Lomb Telephoto					140 mm	55.00
National Graflex Wratten Filters i						0.50
K-1, K-2, X-1, X-2, and Sky	N - 9			. each		3.50 4.00
A, F, G, Aero No. 1, and Aero Wratten Filters (unmounted) for			*******	. eacn		4.00
K-1, K-2, Sky, and Aero No. 1.				each		1.75
National Graflex Copying Attachm						2.75
National Graflex Copying Attachm	ent (clos	est workin	g distance	e 12")		3.75
National Graflex Diffusion Disc						5.50
Accessory Self-Timer, for both del	ayed expo	sures and s	low speed	s from		
½ sec. to 10 full seconds						3.00
Direct View Finder for Eye Level			5.00			
National Graflex Sun Shade			1.50			
Microscope Adapter					• • • • • •	3.50
National Carry-All Case to according exposure meter						18.00
Grain-Leather Carrying Case						5.50
Suede Carrying Case (Waterproof			3.50			
Sportsman's Carrying Case (plush	lined)					8.50
Grain-Leather Case for Telephoto						3.50
Carrying Case for National Grafles						3.50
Series B GRAFLEX	• 1	Revolvir	ng Bac	k		
	21/4	x 31/4	31/4	× 41/4	4	x 5
	Focal Length	Price	Focal Length	Price	Focal Length	Price
With f.4.5 Kodak Anastigmat	-		-			
Lens and Film Pack Adapter	$5\frac{1}{2}''$	\$91.00	63/8"	\$107.00	$7\frac{1}{2}''$	\$ 128.00
F.4.5 Dallmeyer Telephoto Lens					1.4//	127.00
(cost additional)					14"	137.00
F.5.6 Dallmeyer Telephoto Lens (cost additional)	11"	100.50	12"	108.00	14"	133.00
F.5.6 Cooke Telephoto Lens (cost	11	100.00	12	100.00	1.2	100.00
additional)	11"	137.00	121/2"	140.00	15"	179.50
F.6.3 Voigtlander Telephoto Lens						
(cost additional)	10"	**	113/8"	**		
Leather Carrying Case		9.00		12.00		15.00
						x 7
Series B GRAFLEX	• 5	Statione	ary Ba	ck	Focal	
With f.4.5 Kodak Anastigmat Len	a and Fil	m Pools Ad	lantor		Length $8\frac{1}{2}''$	Price \$178.50
F.5.6 Dallmeyer Telephoto Lens (17"	191.00
F.5.6 Cooke Telephoto Lens (cost						171.00
	addition	al)			15"	179.50
Leather Carrying Case					15"	179 .50 18.00
Leather Carrying Case **Prices upon request.					15"	

Series D GRAFLEX . Revolving Back

Including Film Pack Adapter:	31/4 Focal	× 41/4	4 x 5 Focal		
	Length	Price	Length	Price	
With f.4.5 Kodak Anastigmat Lens	63/8"	\$133.00	71/2"	\$157.00	
With f.4.5 Bausch & Lomb Tessar Lens	63/8"	143.00	71/2"	163.00	
With f.4.5 Cooke Aviar Lens	6"	173.00	7"	206.00	
With f.4.5 Dallmeyer Serrac Lens	6"	160.00	$7\frac{1}{2}''$	191.00	
With f.4.5 Goerz Dogmar Lens	$6\frac{1}{2}''$	153.00	$7\frac{1}{2}''$	182.00	
With f.4.5 Ross Xpres Lens	6"	161.00	71/4"	191.00	
With f.4.5 Schneider Xenar Lens	$6\frac{1}{2}''$	151.00	75/8"	175.50	
With f.4.5 Voigtlander Heliar Lens	$6\frac{1}{2}''$	156.00	71/8"	177.0 0	
With f.4.5 Carl Zeiss Tessar Lens	6"	141.00	7"	170.00	
With f.3.5 Cooke Pressic Lens	$6\frac{1}{4}''$	211.50	$7\frac{1}{2}''$	251.00	
With f.3.5 Dallmeyer Dalmac Lens	6"	187.00	71/2"	217.00	
With f.3.5 Ross Xpres Lens	$6\frac{1}{2}''$	202.00			
With f.3.5 Schneider Xenar Lens	$7\frac{1}{16}''$	186.00	81/4"	207.00	
With f.3.5 Voigtlander Heliar Lens	61/5"	206.00#			
With f.3.5 Carl Zeiss Tessar Lens	$6\frac{1}{2}''$ $6\frac{3}{8}''$	215.00#	81/4"	296.00#	
With f.2.9 Cooke Anastigmat Lens	$6\frac{3}{8}''$	195.00			
With f.2.9 Plaubel Anticomar Lens	6"	216.00	7"	252.0 0	
F.4.5 Dallmeyer Telephoto Lens (cost additional)	12''	122.50#	14''	142.00 #	
			17"	204.50#	
			20"	**	
			24"}	T T	
F.5.5 Schneider Tele Xenar Lens (cost additional)	$11\frac{13}{16}''$	99.00#	$14\frac{3}{16}''$	133.00#	
F.5.6 Dallmeyer Telephoto Lens (cost additional)	12"	118.50#	14"	139.00#	
			17"	185.00#	
			20"	**	
			24"}	**	
F.5.6 Cooké Telephoto Lens (cost additional)	$12\frac{1}{2}''$	150.00 #	15"	189.50 #	
Leather Carrying Case		12.00		15.00	

AUTO GRAFLEX • Revolving Back

Including Film Pack Adapter	31/4	4 × 41/4		x 5
and Focusing Panel:	Focal Length	Price	Focal Length	Price
With f.4.5 Kodak Anastigmat Lens	71/2"	\$165.50	10"	\$242.50
With f.4.5 Kodak Anastigmat Lens in Shutter	$7\frac{1}{2}''$	193.00†	10"	287.50 §#
With f.4.5 Bausch & Lomb Tessar Lens	71/2"	171.50	$9\frac{3}{4}''$	233.50
With f.4.5 Cooke Aviar Lens	81/4"	246.50	10"	286.50
With f.4.5 Dallmeyer Serrac Lens	$7\frac{1}{2}''$	198.50	10"	261.50
With f.4.5 Goerz Dogmar Lens	$7\frac{1}{2}''$	200.50#	91/2"	271.50#
With f.4.5 Ross Xpres Lens	71/4"	199.50	10"	284.50
With f.4.5 Schneider Xenar Lens	81/4"	192.50	$9\frac{7}{16}''$	247.50
With f.4.5 Voigtlander Heliar Lens	81/4"	210.50	91/2"	260.00
With f.4.5 Carl Zeiss Tessar Lens	7"	178.50	10"	257.50#
With f.3.5 Cooke Pressic Lens	$7\frac{1}{2}''$	4.4	9"	**
With f. 3.5 Dallmeyer Dalmac Lens	77/8*	239.50		
With f.6.3 Bausch & Lomb Convertible Protar Lens	14"	239.30 142.00#	93/8"‡	292.50
F.4.5 Dallmeyer Telephoto Lens (cost additional)	17"	204.50#	17"	188.00#
	11	204.30#	20")	100.00#
			$\frac{20}{24''}$	**
F.5.6 Dallmeyer Telephoto Lens (cost additional)	14"	139.00#	24)	
2 ioio Danimoj er reiepinete Bens (cost additional)	17"	201.00#	17"	185.00#
	1.	201.00//	20")	n.
			24"	**
F.5.6 Cooke Telephoto Lens (cost additional)	15"	189.50#	20"	370.00#
Leather Carrying Case		13.50"		16.00"
, 0				

^{*}Focal Length of single elements 137/8".

[‡]Focal Length of single elements 163/8".

HOME PORTRAIT GRAFLEX . Revolving Back

		x 7
	Focal	
	Length	Price
Without Lens, including Cut Film Holder and Focusing Panel		\$240.00
With f.4.5 Kodak Anastigmat Lens	10"	350.00
With f.4.5 Kodak Anastigmat Lens	12"	390.00
With f.4.5 Bausch & Lomb Tessar Lens	$11\frac{3}{4}''$	420.00
With f.4.5 Cooke Aviar Lens	$12\frac{1}{2}''$	509.50
With f.4.5 Dallmeyer Serrac Lens	12"	445.00
With f.4.5 Goerz Dogmar Lens	12"	469.00
With f.4.5 Ross Apres Lens	12"	461.00
With f.4.5 Schneider Xenar Lens	$11\frac{13}{16}''$	400.00
With f.4.5 Voigtlander Heliar Lens	12"	440.00
With f.4.5 Carl Zeiss Tessar Lens	12"	464.00
With 1.3.5 Dallmeyer Dalmac Lens	12"	483.00
With f.3.5 Schneider Xenar Lens	$11\frac{13}{16}''$	424.00
With f.3.5 Voigtlander Heliar Lens	12"	485.00
With f.3.5 Carl Zeiss Tessar Lens	12"	598.00#
F.4.5 Dallmeyer Telephoto Lens (cost additional)	20"-2	4" **
F.5.6 Dallmeyer Telephoto Lens (cost additional)	20''-2	4" **
F.5.6 Cooke Telephoto Lens (cost additional)	20"	370.00#

SPECIAL PRESS MODEL

For slight extra cost, the R. B. Home Portrait Graflex can be supplied with shutter speeds to 1/1000. Information and prices on request.

Miniature SPEED GRAPHIC 21/4 x 31/4	Gra Grafic	phic or ex Back‡
Including one Cut Film Holder:	Focal Length	Compur Shutter
With f.4.5 Kodak Anastigmat Lens	41/8"	\$111.00
With f.4.5 Kodak Anastigmat Lens	5 "	119.50§
With f.4.5 Bausch & Lomb Tessar Lens	$4^{3}/8''$	116.00△△
With f.4.5 Schneider Xenar Lens	43/4"	119.00△△
With f.4.5 Carl Zeiss Tessar Lens	41/8"	115.00△△
With f.3.7 Kodak Ektar Lens	41/8"	132.00 § 134.00△△
With f.3.5 Carl Zeiss Tessar Lens	41/8"	134.00△△

SPEED GRAPHIC 31/4 x 41/4

SI EED CHAI MIC 574 X 474		Gra	phic or
Including one Cut Film Holder:		Grafl	ex back‡
		In Barrel	
	Focal Length	with Iris	Compur Shutter
TELL ALE TO LL . T		Diaphragm	
With f.4.5 Kodak Anastigmat Lens	5 "		\$119.50§
With f.4.5 Kodak Anastigmat Lens	$5\frac{1}{2}''$	\$113.75	125.00
With f.4.5 Bausch & Lomb Tessar Lens	51/4"		126.00
With f.4.5 Dallmeyer Serrac Lens	5½″ 5″	137.00	**
With f.4.5 Goerz Dogmar Lens	5"	122.00	132.50△△
With f.4.5 Hugo Meyer Primotar Lens	$5\frac{1}{4}''$ $5\frac{3}{8}''$ $5\frac{5}{16}''$ $5\frac{1}{4}''$		123.00△△
With f.4.5 Ross Xpres Lens	53/8"	137.00	150.00
With f.4.5 Schneider Xenar Lens	$5\frac{5}{16}''$	120.50	129.50
With f.4.5 Voigtlander Heliar Lens	51/4"	120.00	147.50△△
With f.4.5 Carl Zeiss Tessar Lens	51/4"	117.00	127.00°
With f.3.5 Cooke Pressic Lens	614"	195.50	
With f.3.5 Dallmeyer Dalmac Lens	5"	156.00	**
With f.3.5 Ross Xpres Lens	53/8"		180.00
With f.3.5 Schneider Xenar Lens	57%"	149.00	162.00
With f.3.5 Voigtlander Heliar Lens	514"	158.50	177.50#
With f.3.5 Carl Zeiss Tessar Lens	51/1"	144.00	160.00"
With f.2.9 Cooke Anastigmat Lens	63%"	179.00	
With f.2.9 Plaubel Anticomar Lens	51¼" 63½" 6"	200.00	
The first field in the contact Delis	U	200.00	

Accessory Equipment, Range Finders, Wide Angle and Telephoto Lenses, are listed on page 6.

SPEED GRAPHIC 4x5

Including one Cut Film Holder			phic or ex Back‡
(Plate Holder optional):	Focal Length	with Iris Diaphragm	Compur Shutter
With f.4.5 Kodak Anastigmat Lens	51/2"	\$113.75	\$ 125.00
With f.4.5 Kodak Anastigmat Lens	63/8"	117.00	130.00
With f.4.5 Bausch & Lomb Tessar Lens	51/4"		126.00
With f.4.5 Bausch & Lomb Tessar Lens	63/8"	127.00	145.00
With f.4.5 Cooke Aviar Lens	6"	157.00	191.50
With f.4.5 Dallmeyer Serrac Lens	6"	144.00	
With f.4.5 Goerz Dogmar Lens	61/2"	137.00	152.00
With f.4.5 Hugo Meyer Primotar Lens	51/4"		123.00△△
With f.4.5 Ross Xpres Lens	6"	145.00	156.00
With f.4.5 Schneider Xenar Lens	57/8"	126.00	135.00△△
With f.4.5 Voigtlander Heliar Lens	61/2"	140.00	165.00△△
With f.4.5 Carl Zeiss Tessar Lens	51/4"	117.00	127.00°
With f.4.5 Carl Zeiss Tessar Lens	6"	122.00	128.00
With f.4.5 Carl Zeiss Tessar Lens	6"		132.00△△
With f.3.5 Dallmeyer Dalmac Lens	6"	171.00	
With f.3.5 Ross Xpres Lens	61/2"	186.00	
With f.3.5 Schneider Xenar Lens	61/2"	163.00	175.50§
With f.3.5 Voigtlander Heliar Lens	61/2"	175.00	
With f.3.5 Carl Zeiss Tessar Lens	6"	163.00	170.00
With f.2.9 Plaubel Anticomar Lens	7"	225.00	

SPEED GRAPHIC 5 x 7

Including one Cut Film Holder		Grafl	ex Back‡
(Plate Holder optional):	Focal Length	In Barrel with Iris Diaphragm	Compur Shutter
With f.4.5 Kodak Anastigmat Lens	71/2"	\$146.00	\$173.50
With f.4.5 Kodak Anastigmat Lens	81/2"	166.00	196.00§

K. A. F.4.5 LENSES

WRATTEN FILTERS

Lens No.	Size of Film Covered at f.4.5 (in inches)	Equivalent Focus in inches	Filter Mount in Barrel	Filter Mount in Shutter	Price of Lens in Barrel with Iris Diaphragm	Price of Lens with Between-the- lens Shutter	Price of Wratten - Filters (Mtd. in metal cell)
31	31/4 x 41/4	5½"	$1\frac{9}{16}''$	111"	\$ 33.75	\$ 45.00†	\$3.30-4.20
32	4 x 5	63/8"	13/4"	13/4"	37.00	50.00†	4.20
33	5 x 7	$7\frac{1}{2}''$	2"	2"	50.00	77.50†	4.20
34	5 x 8	$8\frac{1}{2}''$	23/8"	23/8"	70.00	100.00§	6.00
35	$6\frac{1}{2} \times 8\frac{1}{2}$	10"	25/8"	25/8"	110.00	145.00§	7.50
36	8 x 10	12"	33/8"	33/8"	150.00	190.00	

Prices on other lenses for use with the 5×7 Speed Graphic will be supplied upon request. Accessory equipment, including Range Finders and Wide Angle and Telephoto Lenses, is listed on page 6.

ACCESSORIES FOR S	PEE	D GRA			AM	ERA	18
Extra Lensboard Auxiliary Wide Angle Bed Focusing Panel (for Graflex Backs) "Two on" Dividing Graflex Back, less F Leather Carrying Case (for Camera and Special Carrying Case (for Camera, 12 12 Flash Bulbs, Synchronizer and T	ocusin l six ho Film H	g Panel lders)	91 \$	1.00 4.50 10.00 24.50		\$ 1.2 4.5 6.0 18.0 12.5	25 \$ 1.25 50 00 8.00 00 50 15.50
RANGE FINDERS AND P	нот	OFLAS	H SY	NCH	RON	IZE	RS
Prices include cost of fittings, installation Kalart Coupled Range Finder, installed Leitz Fokos Range Finder and Mount Magnascope Coupled Focus Finder, in Connecting Cord for Focal Plane Photography Abbey Flash Guns complete Jacobson Photoflash Synchronizer con	dstalled Shutter	Flash		re such 27.00 11.00	charge 27.50 11.00 21.50	27.5 11.0 21.5 20.5 26.5	50 ** 00 11.00 50 21.50
Kalart Synchronizers: Graphic Flash Unit with Connecting Speed Flash Micromatic Speed Flash Micrometer Senior Speed Flash Mendelsohn Speedguns:				5.80‡ 16.75 19.75	14.50 16.75 19.75	14.5 16.7 19.7	'5 16.7 5
New Model C with 5" Adj. Aplanati New Model C with 7" Adj. Aplanati Universal Speedgun with Aplanatic Speedgun Model A Battery Case and C With 5" Adjustable Aplanatic Reflec	c Reflect Reflect Connect tor	ctor or ing Cord	 1	2.90‡	17.50 18.50 26.50	17.5 18.5 26.5	50 18.5 0
With 7" Adjustable Aplanatic Reflector							
TELEPHOTO LENSES							
F.4.5 Dallmeyer		Miniature 2 ¹ / ₄ x3 ¹ / ₄	Focal Length 12" 14"	3½x4 \$119. 142.	1/4 Le 00 12 00 14	,"	4x5 3119.00 142.00
F.4.5 Dallmeyer F.5.5 Schneider F.5.5 Schneider F.5.6 Cooke F.5.6 Cooke	11" 12½"	\$141.00 150.00	$\begin{array}{c} 11\frac{13}{16}'' \\ 14\frac{3}{16}'' \\ 12\frac{1}{2}'' \end{array}$	99. 133. 150.	17 00 11 00 14 00 12 15	$\frac{13}{16}''$ $\frac{3}{16}''$ $\frac{1}{2}''$	188.00 xx 99.00 133.00 150.00 18 9. 50
F.5.6 Dallmeyer F.5.6 Dallmeyer F.5.6 Dallmeyer	11" 12"	110.50 114.00	12" 14"	114. 139.	00 12 00 14 17	"	114.00 139.00 185.00
F.6.3 Ross	13"	120.00	17"	178.	00		
F.6.8 Schneider Angulon in barrel F.6.8 Schneider Angulon in shutter F.8 Goerz Super-Dagor in barrel F.8 Goerz Super-Dagor in shutter			$3\frac{9}{16}''$ $3\frac{9}{16}''$	42. 58.	4	3/4" 3/4" 3/8" 3/8"	48.50 66.00 54.00 66.00
F.9 Zeiss W. A. Dagor in barrel F.9 Zeiss W. A. Dagor in shutter F.18 Bausch & Lomb Series V in barrel	3" 3"	52.00 59.00	4" 4" 3½"	55. 63. 35.	00 4	" 1/2"	55.00 63.00 35.00

Fitting charge for lenses not purchased from Folmer Graflex Corporation..... Extra charge for special fittings.

CROWN VIEW CAMERA 4 x 5			
Without lens including 4 x 5-4 x 5 Graphic Back, holder and	fibre carr	rying case:	
With metal parts in golden brass sandblast finish			\$57.50
With metal parts in satin chromium finish			63.0 0
ACCESSORY BACKS FOR CROWN VIEW	CAMI	ERA	
4 x 5-4 x 5 Graflex Back style, to accept Graflex Film and	Plate att	achments,	
without focusing panel			10.50
4 x 5-31/4 x 41/4 Reducing Back in Graflex Back style, to	accept Gr	aflex Film	10.50
and Plate attachments, without focusing panel	acont Cra	nhia Proce	10.5 0
Film Holder and Kodak Film Pack Adapter		1 1 css	12.00
GRAFLEX ENLARG-OR-PRINTER			
			e97 50
The Grafilex Enlarg-or-Printer, without lens	rd. Book-	type Neg-	
ACCESSORIES			
The Condenser Unit, for use with 35 mm. negatives, is sold o			
with the motor-driven Air Circulator. The price for the con			35.00
Accessory Extension Top, improved model, with masking blades			24.50 .3 5
Extra Masks for cut negatives: Each			2.50
Available in the following film sizes: 35 mm., Bantam, ½			2.00
Vest Pocket, ½ No. 120 (½ of 2¼ x 3¼), Full No. 120, 2¼ x	$2\frac{1}{4}$, and	$2\frac{1}{4} \times 2\frac{1}{2}$	
(National GRAFLEX).			2.50
Dodging Mirror Assembly			2.5 0 2.2 5
Hinged Focusing Screen			3.75
Extra "8 x 10" Unbreakable Focusing Screen			.90
11" x 14" Unbreakable Focusing Screen (for use with Extension			1.75
Extra Standard Lensboards			.75
The following are available: (a) National GRAFLEX lens	board: (1	b) Contax	
lensboard; (c) Leica lensboard; (d) the No. 1 Lensboard with $\frac{15}{15}$ opening; (e) the No. 2 Lensboard with $\frac{31}{32}$ opening; (f) the No. 3 Lensboard with 1" opening; (g) the No. 4 Lensboard with $1\frac{1}{4}$ " opening; (h) and blank lensboards			
opening; (g) the No. 4 Lensboard with $1\frac{1}{4}$ " opening; (h) an	id blank l	ensboards	
it desired.			
Special Lensboard to accept Rigid Mount Contax Lenses Special Lensboard to accept Leitz Xenon Lens	• • • • • • • •	• • • • • • • • •	3.50
Special Lensboard to accept Leitz Aenon Lens			3.50
ACCESSORY LENSES FOR GRAFLEX ENLA	RG-OH	R-PRIN	TER In Barrel
v / X	Focal Length	Lensboard Required	with Iris Diaphragm
F.3 Goerz Hypar	2"	No. 3	\$39.00
F.3.5 Carl Zeiss Tessar	2"	No. 1	28.00
F.4.5 Carl Zeiss Tessar	2"	No. 1	26.00
F.4.5 Bausch & Lomb Tessar	3"	Nat'l	29.50
F.4.5 Carl Zeiss Tessar	3"	No. 1	26.00
F.6.3 Hugo Meyer Trioplan	3"	No. 3	18.00
F.6.3 Carl Zeiss Tessar	3"	No. 1	22.00
Fitting charge for lenses not purchased from Graflex Extra charge for special fittings.	• • • • • • •		1.00
Extra charge for special fittings.			_

"PHOTOGRAPHIC ENLARGING"

A	complete	224 page	discussion	of Photographic Enlarging by Franklin I. Jordan	
	F.R.P.S.	Nineteen	chapters.		\$

\$2.50

FILM AND PLATE ATTACHMENTS AND SUNDRIES

	Miniature $2^{1}/4 \times 3^{1}/4$	31/4 x 41/4	4 x 5	5 x 7
Graflex Film Pack Adapter	\$ 5.50	\$ 5.50	\$ 6.50	\$ 8.50
Graflex Roll Holder	NO	. 51 17.50 NO	. 53 18.50 N	10.5419.50
Graflex Cut Film Magazine (12 Septums)	13.00	14.50	16.50	19.00
Graflex Cut Film Magazine (18 Septums)		20.50	22.50	
Graflex Plate Magazine		17.00	19.50	22.50
Graflex Cut Film Holder	3.50	3.75	4.00	4.50
Graflex Plate Holder	3.50	3.75	4.00	4.50
Graphic Film Pack Adapter	4.75			
Graphic Press Cut Film Holder	2.75	2.75	2.75	
Graphic Press Plate Holder			2.75	
Century Cut Film Holder				2.90
Century Plate Holder				2.90
Graflex Lantern Slide Plate Holder		4.50		
Graflex Focusing Panel	4.50	5.50	6.00	8.00
Graphic Sight Finder	4.00	4.00	4.50	5.25
Dividing Graflex Back		18.00	18.00	

CROWN TRIPODS and carrying cases

	Length Closed	Length Extended	Top Diameter	Weight of Camera Carried	Price of Tripod	Price of Carrying Case
Jr.	17 in.	3 ft., 8 in.	$3\frac{3}{8}$ in.	4 lbs.	\$ 8.50	
No. 1	16 in.	4 ft., 4 in.	4 in.	6 lbs.	10.00	\$ 7.50
No. 2	17 in.	4 ft., 8 in.	6 in.	9 lbs.	11.00	8.50
No. 4	20 in.	5 ft., 6 in.	$6\frac{1}{2}$ in.	18 lbs.	13.50	10.00

NOTE: All tripod screws carry standard threads, fitting GRAFLEX and other Cameras.

CROWN TRIPOD TILTING TOPS

No. 1 fits No. 1 Crown Tripod	\$3.75
No. 2 fits No. 2 Crown Tripod	4.00
No. 4 fits No. 4 Crown Tripod	4.50

FILM CARTRIDGES FOR GRAFLEX ROLL HOLDERS	Verichrome	Panatomic-X and Super-XX
No. 50—31/4 x 21/4, 6 exposures	\$. 30	
No. 51— $4\frac{1}{4}$ x $3\frac{1}{4}$, 6 exposures	.45	\$.55
No. $52-5\frac{1}{2} \times 3\frac{1}{4}$, 6 exposures	.55	
No. 53—5 x 4, 6 exposures	.55	.65
No. 54—7 x 5, 6 exposures	.95	

The prices of Cameras, Lenses and Accessories listed herein are subject to change without notice.

FOLMER GRAFLEX CORPORATION ROCHESTER, N. Y., U. S. A.

1A69



GRAFLEX

PRIZE-WINNING CAMERAS





"ONE YEAR OLD." LIFE bought it . . , and a 4x5 R. B. Series D Graflex in the hands of H. Armstrong Roberts made it

FOLMER GRAFLEX CORPORATION, ROCHESTER, N. Y., U. S. A.

GRABLEX

SUCCESSORS TO CENTURY FOLMER & SCHWING FOLMER GRAFLEX CORP.

divisions of Eastman Kodak Company
...ROCHESTER, N.Y.

June 30, 1939

Mr. Fred A. Rutter 126 Grant Street Uniontown, Pa.

Dear Mr. Rutter:

We thank you for your recent request for the Graflex catalog and other descriptive material regarding Graflex and Speed Graphic American-made, Prize-Winning Cameras and Accessories. This material is enclosed herewith.

Whether you are interested in a Graflex-made camera for yourself or as a gift, we would like particularly to call your attention to the new Miniature $2\frac{1}{4} \times 3\frac{1}{4}$ Speed Graphic which is 36% smaller than any other Speed Graphic ever built! This camera has all the features of the larger Speed Graphics plus many new ones including built-in focal plane shutter flash synchronization. It is an ideal small camera for close-ups, copying, portraits and action shots, for scenics and pictorial studies...and all-around finer "snap-shooting".

Speed Graphic cameras are available in four sizes — the new Miniature $2\frac{1}{4} \times 3\frac{1}{4}$, and sizes $3\frac{1}{4} \times 4\frac{1}{4}$, 4×5 , and 5×7 . When fitted with a coupled range finder and photoflash synchronizer, a Speed Graphic is the most versatile all-around camera you can buy, regardless of price.

If your preference lies in a smaller camera, you'll be especially interested in the finest of all miniature reflex cameras — the National Graflex. For economy and compactness it is "tops". And, as a fine picture-maker, it is unexcelled. There are other Graflex models, too, to suit particular picture-making requirements — as for instance the Series B, the Series D or the Auto Graflex.

And...don't overlook the Graflex Enlarg-or-Printer. An enlarger, contact printer and retouching desk all in one, "almost a complete darkroom in itself". An ideal companion for the $2\frac{1}{4} \times 3\frac{1}{4}$ Speed Graphic, the $2\frac{1}{4} \times 3\frac{1}{4}$ Series B and the National Graflex.

We sincerely hope that the enclosed material will assist you in making your choice. Your photographic dealer or our Service Department will be very glad to supply you with any further data (including current prices) that you might desire concerning Graflex and Speed Graphic American-made, Prize-Winning cameras.

Very truly yours,

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ASSIT SALES PROMOTION

JDHendryx: GH

P. S. Possibly your own GRAFLEX dealer is herewith suggested:

Liggett Drug Co.

2 E. Main St.

Union Town, Pa.