



GREETING!

We extend herewith kindliest greetings to our patrons and prospective patrons, and respectfully tender our seventh annual catalogue, to which we invite your kind attention.

That our efforts to produce the best on the market have met with success during the past year, is proven by the rapidly increasing demand for our products. That "Manhattan" will stand for unquestionably the best in the coming year, is assured by the constant and expert supervision exercised over every department, extending to the minutest detail, and by the fact that only the choicest raw material is allowed to enter into the composition of our products. In the stability, finish and optical efficiency of our goods we invite comparison, feeling confident that the results will justify our claims.

We desire to thank those patrons to whose support our success is in great measure due, and wish to assure them that we shall leave nothing undone to merit their continued favors.

bery respectfully,

Manhattan Optical Co. of N. Y.



NDER this head we shall treat briefly the changes which have been made in our '99 models. It will be noted that we have adopted a new and more uniform nomenclature: hereafter all our cameras will be called "Wizards." Those familiar with our last catalogue will notice the addition of the following to our line:

The "Long Focus Wide Angle Wizard." A perfect type of camera, combining with several valuable improvements, every desirable feature and adjustment to be found on instruments of the very highest grade (page 6).

The "Long Focus Cycle Wizard." A reversible back camera with the following strong combination: greatest rigidity, longest bellows and greatest compactness ever attained in a cycle box (page 11).

The "Wizard A" and "Cycle Wizard A" are two new instruments, whose great recommendation is the unprecedented optical capacity and elegance of finish at the price. There is no question that these boxes are far ahead of anything ever before offered. (Pages 22 and 17.)

The following cameras have been improved, as described in detail on the pages mentioned:

The "Cycle Wizard C," the popular "Baby Wizard" of '98 remodelled, has been considerably improved by the addition of a reversible back,—being substantially the same in construction as the "Long Focus Cycle Wizard (page 13).

The "Cycle Wizard B," our former "Baby Wizard Jr.," the most popular medium-priced cycle camera on the market, has been improved by the addition of the sliding front in the '99 model (page 15).

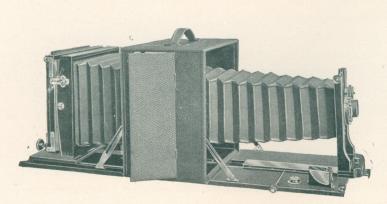
The "Wizard B" and "C," are respectively our former "Bo Peep B" and "C" cameras, whose merited popularity is too well known to require mention here. Improvements will be noted in each (pages 20 and 18).

Our \$5.00 box, the "Boss Dandy," has been replaced by the new model "Wizard V," in which the lens, shutter and metal parts are a decided improvement over the previous model (page 24).

With the advent of the '99 season we have also decided to make a change in the metal finish of our products. Though sanctioned by long use, lacquered brass is undeniably far inferior in durability and elegance to the nickel finish. Feeling confident that this departure will be favorably received by an appreciative public, we shall hereafter give our patrons the benefit of the improved finish as an incident of our progressive policy.



LONG FOCUS WIDE ANGLE WIZARD.



SHOWING FULL EXTENSION.

offered is our Long Focus Wizard, in which are combined all the movements and adjustments known. Substantially yet lightly constructed, optically and mechanically perfect, and exquisitely finished, this camera immediately appeals to the advanced amateur and to the professional as one which is adaptable to every photographic process.

The box is of the back and front focus type, this giving an exceptionally long available bellows. Both the front and back focal adjustments work with the utmost accuracy and

smoothness, the front being provided with a rack and pinion which permits of the most delicate focusing. The movements in the rising, sliding and falling fronts are all of liberal range, and are controlled by a new device of the greatest effectiveness and simplicity. The reversible back enables one to make either vertical or horizontal pictures without changing the position of the camera, and is of the double swing type, working at centers. The horizontal swing is accurately controlled by a worm screw, the milled head of which shows in our engravings. The ground glass frame is spring actuated, accurately adjusted to the true focal plane, and can be readily removed when the roll holder is to be used. On the front bed are our brilliant view finder and the Wizard spirit level, which cannot fail to be appreciated by the fastidious worker.



TAKEN WITH LONG FOCUS WIDE ANGLE WIZARD, 5x7 TELEPHOTO LENS (Reduced.)



When it is desired to use only the front focus, the back bed is dropped as shown, the plate holder being inserted and the slide removed, through either the side door for horizontal, or the top door for vertical views.

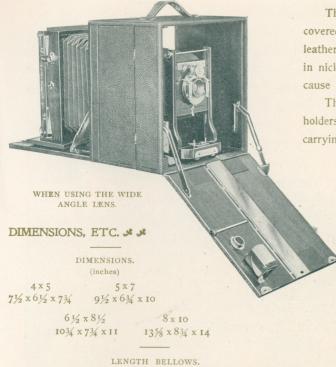
The bellows is the longest for the various sizes ever fitted in a hand camera, making the instrument perfectly adapted for copying and telephoto work. For the latter, we supply with the camera a single Telephoto lens of the Daisy system, of sufficient length of focus to utilize the entire length of bellows, thus yielding a greatly magnified image.

As this camera is designed also to replace our Wide Angle Wizard, its adaptability to wide angle work has been given careful attention. When the Wide Angle lens is used, the front bed is dropped below the horizontal as shown, and the back focal adjustment is employed.

The shutter is the Wizard Sr. (page 47), and in addition to the Telephoto lens mentioned above, we supply our Extra Rapid Rectilinear, which is unexcelled for general work, as regards both speed and definition.

We would call attention to the fact that by different combinations of these two lenses, four distinct objectives may be formed, the advantages of which need no comment. This is explained in the following table:

FRONT COMBINATION.	BA	CK COMBINATION.		FOCAL LENGTH.
Extra Rapid Rectilinear .	. Extr	a Rapid Rectilines	ar .	. 7¼ inches.
Telephoto				. 9 "
	. 66	66 66		. 15 "
	. Tele	photo		. 23 "



61/2 x 81/2

32 inches.

5 x 7

26 inches.

4 x 5

22 inches.

The box is made of selected mahogany highly polished, and covered with the best black seal grain cowhide; the handle is of sole leather. The metal fittings are perfectly adjusted, and are finished in nickel. Pressure on the hidden buttons provided for the purpose, cause the beds and doors to open automatically.

The Long Focus Wizard has a carrying capacity of three double holders, one of which is provided at the price listed, as well as a carrying case for two holders, which fits into the back of the camera.

* * * * * * * *

PRICES.			
4×5	5 x 7	6½ x 8½	8 x 10
Telegraphic Code Abbe	Aditi	Ajax	Alis
With Wizard Sr. Shutter and Extra R. R. Lens \$40.00	\$50.00	\$60.00	\$70.00
Iris Diaphragm Shutter in place of Wizard Sr 50.00	60.00	70.00	80.00
Without Lens and Shutter - 30.00	38.00	46.00	55.00
Emil Wide Angle Lens in leather covered case - 6.50	8.00	10.50	14.50
Extra Holders, each - 1.00	1.25	1.50	1.75
Cartridge Roll Holder - 5.00	6.50		
Sole leather case with shoul-			
der strap 2.75	3.25	3.50	4.00

8 x 10

40 inches.



SCENE AT DEMAREST, N. J.

TAKEN WITH THE LONG FOCUS CYCLE WIZARD, 5 x 7. (Reduced.)

LONG FOCUS CYCLE WIZARD.

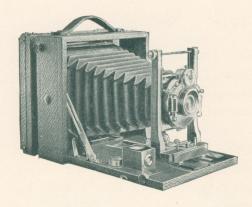


SHOWING BELLOWS EXTENDED.

HE Long Focus Cycle Wizard occupies the same position in our cycle series as the Long Focus Wizard does in the box series,—being the highest type of compact camera, and combining all the movements and adjustments which it is possible to introduce in this construction.

The box is made from the choicest mahogany exquisitely polished, covered with seal grain leather of the highest grade, and provided with a sole leather handle. The bellows is of rich red leather, and all metal parts, with the exception of the shutter, are finished in nickel. Inside and out, to the finest detail, this camera is a specimen of the most careful workmanship.

Pressure on a hidden spring causes the bed to drop, and the front can then be drawn out and clamped to the track for focusing. A rack and pinion is provided for delicate adjustment of the focus, and is also used to rack out the extension bed for long focus work. In this box will be found a longer bellows for the various sizes, than has ever before been offered. The rising, falling and sliding front is of liberal capacity, and is easily and effectively controlled by a new device. The ground glass frame is spring actuated, receding when the holder is inserted, and is accurately adjusted to the focal plane. The reversible swing back works at centers, and enables one to take either horizontal or vertical views without changing the position of the camera. This makes the mechanical equipment of this instrument equal to any requirements.



SHOWING SWING BACK EXTENDED.

The lens is our Extra Rapid Rectilinear (page 33), the standard of its class, and unexcelled for general work. The shutter is the Wizard Sr. described on page 47. The optical equipment of the Long Focus Cycle is one of its strongest points, and is the best that can be had. When it is desired to employ a wide angle lens, we provide one suitable for the camera, at the price subjoined.

Each box is provided with a brilliant view finder, spirit level and tripod socket. In addition to one plate holder, prices include a substantial black or tan sole leather or leather covered carrying case for the camera and five holders, fitted with a nickeled spring lock and shoulder or bicycle strap. Unless otherwise specified, the black sole leather case will be supplied, with shoulder strap.

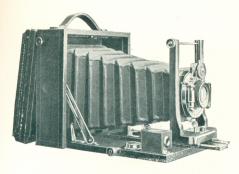
DIMENSIONS, ETC.

DIMENSIONS: 4×5 , $63\% \times 63\% \times 3$ inches; 5×7 , $83\% \times 83\% \times 33\%$ inches. LENGTH BELLOWS: 4×5 , 12 inches; 5×7 , 17 inches.

PRICES.	4 x 5	5 x 7
Telegraphic Code	Bacchus	Bravo
With Wizard Sr. Shutter and Extra R. R. Lens		\$35.00
With B. & L. Iris Diaphragm Shutter in place of the Wizard Sr.		45.00
Without Lens and Shutter	18.00	23.00
Emil Wide Angle Lens in leather covered case	6.50	8.00
Extra Holders, each	1.00	1.25
Cartridge Roll Holder	5.00	6.50



SOLE LEATHER CARRYING CASE.



SHOWING USE OF SWING BACK.

CYCLE WIZARD C.

the same general type as the Long Focus Cycle, and replacing our Baby Wizard of last season, this box has the advantage of the reversible back and all the other '99 improvements.

It is made of exquisitely polished mahogany, covered with black seal grain leather of the highest grade. The bellows is of rich red leather, and all metal parts are nickel plated.

The bed is lowered by pressure on a hidden button; the front may then be drawn out and clamped to the track, for focusing by means of the rack and pinion. The rising, falling and sliding front is controlled by a new device of great effectiveness. The reversible back swings at centers, and the change from horizontal to vertical views can be made with the utmost facility. The ground glass frame can be replaced with a roll holder.

The lens is our Extra Rapid Rectilinear (page 33), speedy and clear in action, and the shutter is our Wizard Sr. (page 47). The optical equipment is therefore identical with that of our higher priced instruments. Each box is provided with a brilliant view finder, spirit level and tripod socket. In addition to one plate holder, prices include a substantial black or tan sole leather or leather covered carrying case for the camera and five holders, fitted with a nickel spring lock and shoulder or bicycle straps. Unless otherwise specified, the black sole leather case will be supplied, with shoulder straps.

DIMENSIONS, ETC.

DIMENSIONS: 4 x 5, 63/8 x 63/8 x 3 inches; 5 x 7, 83/8 x 83/8 x 33/8 inches. Length Bellows: 4 x 5, 10 inches; 5 x 7, 14 inches.

Telgraphic Code	- Cmcar	5 x 7 Cupid	Emil Wide Angle Lens	in	leather	covered	case	_		5 x 7 \$8.00
With B. & L. Iris Diaphragm Shutter -	- 35.00	42.50	Cartridge Roll Holder	-	-	-	-	-	5.00	6.50



FISHERMEN'S FESTIVAL AT BAHIA, BRAZIL. TAKEN WITH THE CYCLE WIZARD C, 4×5 .



CYCLE WIZARD B.

HIS is our popular Baby Wizard Jr. remodelled for the '99 season,—admittedly the best medium priced cycle camera on the market.

The box, which is made throughout of highly polished mahogany, has the best black seal grain covering. The nickeled fittings are perfectly adjusted, and the bellows is of rich red leather of the finest grade. After the bed has been lowered, the front is drawn out and is clamped to the track by a turn of the lever under the front board. The latter has the vertical as well as horizontal movements.

The back of the camera holds the full-sized ground glass, which recedes when the plate holder is inserted, and is removed entirely when a roll holder is used. The Cycle Wizard B is provided with our Extra Rapid Rectilinear (page 33), the best adapted for universal work, mounted in either the Wizard shutter (page 46) or the Wizard Sr. (page 47).

Each camera is equipped with a reversible view finder and two tripod sockets. The price includes one plate holder, and a carrying case of either black or tan sole leather or a leather covered case, for the camera and four holders, fitted with a nickel spring lock and shoulder or bicycle strap. If the covered case is desired, it may be had either long or square (page 28). Unless otherwise specified, the black sole leather case will be sent, with shoulder strap (page 12).

4 × 5	5 x 7	
DIMENSIONS $6\frac{1}{4} \times 2\frac{1}{2} \times 5\frac{3}{8}$	81/4 x 27/8 x 61/2	ź
Length Bellows - 63/4	81/4	
DDIGTO		
PRICES.		
	4 x 5	5 x 7
Telegraphic Code	Daphne	Doone
With Wizard Shutter and Extra R. R. Lens -	\$15.00	\$18.00
With Wizard Sr. Shutter and Extra R. R. Lens,	16.00	20.00
Emil Wide Angle Lens, in leather-covered case,	6.50	8.00
Extra Holders, each	1.00	1.25
Cartridge Roll Holder	5.00	6.50



ROAD TO TENAFLY, N. J.

TAKEN WITH THE CYCLE WIZARD B, 4 x5.

CYCLE WIZARD A.



HIS season marks the introduction of the best low-priced cycle camera ever offered to the public. Our basis for this claim is the following: the box is of real mahogany,—not a stained imitation, the lens is our well known Daisy, and the shutter our new Wizard.

The box is in construction and finish like our Cycle Wizard B, with black seal grain covering, and is provided with a sole leather handle. The metal fittings, with the exception of the shutter, are of nickel, and are as accurately adjusted as in our higher grade instruments. The bellows is of rich red leather.

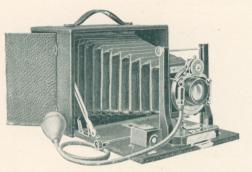
The bed is lowered by pressure on a hidden button, and the front is clamped to the track at the desired point, by a turn of the lever provided for the purpose. The front board has the rising and falling movements, controlled by our new device. The back of the camera, which holds the ground glass, recedes when the plate holder is inserted, and is removed when the roll holder is used. A hinged panel covers the full sized ground glass, which may be employed for accurate focusing.

The Daisy lens provided with this camera is without a peer for speed and definition, yielding negatives of surprising excellence. The Wizard shutter (page 46) is a marvel of simplicity and efficiency.

Each camera is provided with a reversible finder and two tripod plates, and the prices include, in addition to one plate holder, a black or tan carrying case for the camera and four holders, fitted with spring clasps, and shoulder or bicycle straps. The case may be had either long, in which the camera and holders are carried edge to edge, or square, in which they are carried side by side (page 28). Unless otherwise specified, the long case will be sent, with shoulder straps.

	4 x 5	5 x 7			4 x 5	5 x 7
Telegraphic Code	- Enid	Euros	Extra Holders, each	 	\$1.00	\$1.25
With Wizard Shutter and Daisy Rapid Len	s, \$10.00	\$15.00	Cartridge Roll Holder	 	5.00	6.50

WIZARD C.



HIS camera, our former Bo Peep C, has made a record as the most substantial and efficient box camera ever offered. It is built of choice mahogany throughout, hand-polished, and covered with the best black seal grain cowhide. The bellows is of rich red leather, and all the metal parts are finished in nickel.

After the bed has been lowered by pressure on a hidden button, the front may be drawn out and clamped to the track for focusing, which is facilitated by the rack and pinion. The rising, falling and sliding

front is controlled by a new device of great effectiveness. The double swing back is readily operated, and works at centers. The ground glass frame is spring actuated and can be quickly removed when the roll holder is used.

The lens is our Extra Rapid Rectilinear (page 33), the best adapted for general work, and mounted in either the Wizard shutter (page 46) or the Wizard Sr. (page 47). The optical equipment of the Wizard C is therefore the same as that of the higher priced cameras. Each box is fitted with a reversible view finder and two tripod sockets, and has a carrying capacity of three holders, one of which is included at the following prices.

DIMENSIONS, ETC.

4 x 5 5 x 7* 6½ x 8½*† - 71/8 x 5 x 6 91/4 x 61/8 x 71/4 11 x 63/4 x 9 DIMENSIONS LENGTH BELLOWS, 83/8 inches 121/4 inches 163/ inches

					4 x 5	5 x 7	6½ x 8½	
graphic Code	-	-			Falcon	Fides	Flora	
Wizard Shutter and	Extra	R.	R.	Lens.	\$18.00	\$27.00	\$36.00	

Falcon	Fides	Flora
\$18.00	\$27.00	\$36.00
20.00	29.00	40.00
30.00	40.00	50.00
6.50	8.00	10.50
1.00	1.25	1.50
5.00	6.50	
	\$18.00 20.00 30.00	30.00 40.00 6.50 8.00 1.00 1.25

^{*} Fitted with brilliant view finder.

⁺ Fitted with spirit level.



COUNTRY STREET FAIR, AT CAMERON, MO. $\label{eq:tau} \text{Taken with Wizard C, 4×5.}$



WIZARD B.

HIS camera, our former Bo Peep B, long and favorably known as an instrument which covers every want of the amateur, is constructed of highly polished mahogany, covered with the best black seal grain cowhide. The bellows is of rich red leather, and all metal parts are finished in nickel.

The bed is lowered by pressure on a hidden button, and the front is clamped to the track by a turn of the lever under the front board, which has rising, falling and sliding movements. The vertical swing can be

readily operated and set in the position desired. The ground glass is spring actuated, and can be quickly removed when a roll holder is used.

The lens is our Manhattan Rapid Rectilinear (page 32), especially ground for general work, and making, with either our Wizard Shutter (page 46) or the Wizard Sr. (page 47), a standard optical equipment for amateurs. Each camera will carry three holders in the back, and is provided with a reversible finder, two tripod sockets, and one plate holder.

DIMENSIONS, ETC.

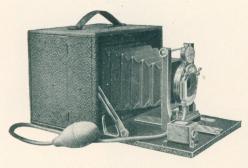
DIMENSIONS: 4×5 , $7\frac{1}{8} \times 5 \times 6$ inches; 5×7 , $9\frac{1}{4} \times 6\frac{1}{8} \times 7\frac{1}{4}$ inches; $6\frac{1}{2} \times 8\frac{1}{2}$, *† II × $6\frac{3}{4} \times 9$ inches. LENGTH BELLOWS: 4×5 , 8 inches; 5×7 , $9\frac{1}{2}$ inches; $6\frac{1}{2} \times 8\frac{1}{2}$, $16\frac{5}{8}$ inches.

		11110			6	CT/ - QT/
	4 x 5	5 x 7 6 ½ x 8 ½				5½ x 8½
Telegraphic Code	Coul	Claucus Gves	Emil Wide Angle in leather covered case,	\$6.50	\$8.00	\$10.50
Telegraphic Code	Gaui	Gladeus Gyes	TY 11	* 00	7 05	T 70
With Wizard Shutter and Extra R. R. Lens,	\$14.00	\$18.00 \$32.00	Extra Holders, each	1.00	1.25	1.50
With Wizard Sr. Shutter and Ex. R. R. Lens.	16.00	20.00 35.00	Cartridge Roll Holder	5.00	6.50	
With Wizard Snutter and Extra R. R. Lens, With Wizard Sr. Shutter and Ex. R. R. Lens,	16.00	20.00 35.00	Cartridge Roll Holder	5.00	6.50	



RAILROAD STATION AT HAVERHILL, MASS. $\label{eq:taken_taken} \text{Taken with the Wizard B, } 4\,\text{x}\,5.$

WIZARD A.



HIS camera occupies the same place in the box series, as the Cycle Wizard A in the cycle series, being the counterpart of the latter in point of finish and equipment, differing only in form.

The box is made of mahogany, hand-polished, and the black seal grain covering is warranted. The handle is of substantial sole leather. The bellows is of rich red leather, and the nickeled metal fittings are as carefully adjusted as in our more expensive boxes.

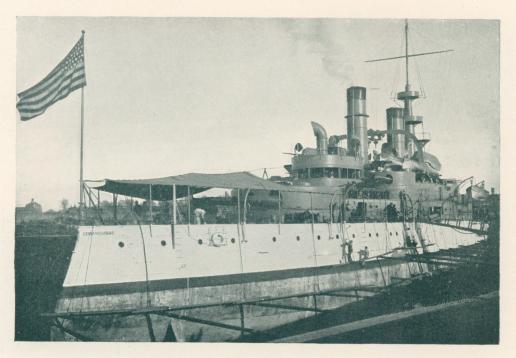
The bed is lowered by pressure on a hidden button, and the front, after being drawn out to the required point, is clamped to the track by a turn of the lever under the front board. The latter has a rising and falling movement of liberal range, and is effectively controlled by our new device for the purpose. The ground glass frame, which is spring actuated, is accurately adjusted to the focal plane, and can be readily removed when a roll holder is to be used. The bed and the focusing and side doors open automatically when the hidden buttons are pressed.

The lens is our popular Daisy (page 30), ground with the utmost care, and unexcelled in speed and definition. The shutter is our new Wizard, and forms with the lens, a standard optical equipment.

PRICES.

Each camera is provided with a reversible finder and two tripod sockets. The Wizard A has a carrying capacity of three holders in the back, one of which is supplied at the price listed.

PRICES.				4 x 5
Telegraphic Code	-		-	Hector
With Wizard Shutter and Daisy Lens -		-		\$10.00
Extra Holders, each	-		-	1.00
Cartridge Roll Holder		-		5.00



THE MASSACHUSETTS IN DRY DOCK.

TAKEN WITH THE WIZARD A, 4×5.

WIZARD V.



HIS box camera is the popular Boss Dandy of last year, remodeled and improved to meet the requirements of the new season. The box is substantially constructed of thoroughly seasoned wood, and has black seal grain covering. The dimensions are only 81/8 x 51/4 x 67/8 and the weight 13/4 lbs.

There are two square view finders and two tripod sockets, and in the back of the camera is space for three holders, one of which is provided at the price listed.

The lens is our Daisy, in which are combined speed, depth, and definition as in no similar objective. Being of the universal focus type, the box is at all times ready for snap shots.

The safety shutter is a new one, being made entirely of metal. It works on three movements, time, bulb and instan-

taneous. With the second, the shutter remains open only while pressure is continued on the release lever. A set of three rotary stops is provided, an important feature for portrait and interior work. Certainly no other camera on the market at the same price contains so many desirable features.

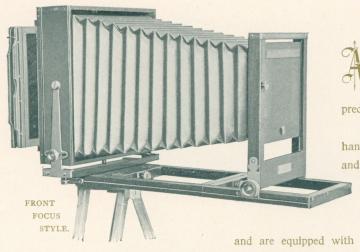
PRICE.				4 x 5
Telegraphic Code		-		Janus
Wizard V, complete, with holder -	-		-	\$5.00
		-		1.00
Leather Covered Carrying Case	-	-	-	2.00
Printing and Developing Outfit (page 37)		-		1.50





THE CURRIER MILL, ROSE HILL, IOWA.

TAKEN WITH THE WIZARD V.



WIZARD VIEW CAMERA.

FTER having been on the market for the past year, the Wizard View cameras have demonstrated beyond a doubt that their many points of superiority are appreciated.

These boxes are built of the choicest mahogany, French hand-polished, the brass parts are draw-filed and polished, and the workmanship is the best possible throughout. The bellows is red leather of the finest grade.

The Wizard View cameras have both horizontal and vertical swings, with the pivots at the centers, and are equipped with rising and falling front, reversible back, and rack and

pinion. The plate holder can be inserted, and the slide withdrawn, from either side, top or bottom. The ground glass screen is spring actuated, receding when the holder is inserted between it and the camera back.

Containing, as it does, every requisite for general work, and finished in the best possible manner throughout, this instrument will certainly find favor among those who desire a high grade box at a medium price.

PRICES.	6½ x 8½	8 x 10
Telegraphic Code { Front focus	- Ibex Iliad	Ichor Iris
Camera, complete with carrying case and on holder, back or front focus type		\$24.00
Extra Holders, each	1.50	1.75
	INC	HES.
LENGTH OF BELLOWS	- 17	201/2

PRICE LIST.										
4×5	5×7	$6\frac{1}{2} \times 8\frac{1}{2}$	8 x 10							
Cycle Wizard "A," Wizard Shutter, Daisy Lens \$10.00	\$15.00									
" "B," Wizard Shutter, Extra R. R. Lens 15.00	18.00									
" "B," " Sr. Shutter, Extra R. R. Lens 16.00	20.00									
" "C," " " " " 25.00	32.50									
" "C," Diaphragm " " " 35.00	42.50									
Long Focus Cycle Wizard, Wizard Sr. Shutter, Extra R. R. Lens - 28.00	35.00									
" " " Diaphragm " " " , . 38.00	45.00									
Wizard "A," Wizard Shutter, Daisy Lens										
"B," Wizard Shutter, Manhattan R. R. Lens 14.00	18.00	\$32.00								
"B," "Sr. Shutter, Manhattan R. R. Lens 16.00	20.00	35.00								
"C," Wizard Shutter, Extra R. R. Lens 18.00	27.00	36.00								
"C," "Sr. Shutter, Extra R. R. Lens 20.00	29.00	40.00								
"C," Diaphragm " " " "	40.00	50.00								
Long Focus Wide Angle Wizard, Wizard Sr. Shutter, Telephoto, and Extra										
R. R. Lenses 40.00	50.00	60.00	\$70.00							
Long Focus Wide Angle Wizard, Diaphragm Shutter, Telephoto and Extra										
R. R. Lenses 50.00	60.00	70.00	80.00							
Wizard "V," Daisy Lens - 5.00										
Wizard View (without lenses)		22.00	24.00							

CARRYING CASES.

Sole leather, black or tan		4 x 5 5 2	$6\frac{1}{2} \times 8\frac{1}{2} \times 8 \times 10$
For A, B. or C Wizards	*	\$3.00 \$3.	50 \$4.00
" A, B, or C Wizards and three holders		3.50 4.	25 5.00
" A, B, or C Wizards and six holders -		4.00 5.	00 6.00
" Long Focus W. A. Wizard		3.50 4.	00 4.50 \$5.00
" Long Focus W. A. Wizard and three holders		4.00 4.	75 5.50 6.00
" Long Focus W. A. Wizard and six holders		4.50 5.	50 6.50 7.50
Rigid cases, with seal grain black or tan covering			
For A, B, or C Wizards		2.00 2.	50 3.00
" A, B, or C Wizards and three holders			25 4.00
"A, B, or C Wizards and six holders -		3.00 4	.00 5.00
" Long Focus W. A. Wizard			00 3.50 4.00
" Long Focus W. A. Wizard and three holders -		3.00 3.	75 4.50 5.25
" Long Focus W. A. Wizard and six holders		3.50 4.	50 5.50 6.50
		wal-	



LEATHER COVERED SQUARE CYCLE CASE WITH SHOULDER STRAP.

The Sole Leather Case is illustrated on page 12.



SAME, LONG FORM, WITH BICYCLE STRAPS.



THE MANHATTAN LENSES.



T is a fact well known to all who are engaged in Photography in any capacity whatever, from the experienced professional to the veriest beginner, that the primary requisite for the production of the best results is a good lens.

This we have long appreciated, and in our lens shop is found the practical application of our experience in this field. Knowing how much is dependent on the efficiency of our lenses, we give the greatest care to this department. The development of each lens is

carefully supervised by a competent expert, whether it be the Daisy for the beginner, or the splendid Manhattan Portrait for the professional. Owing to the constant supervision which is exercised during the various processes, and to the severe test which each lens must pass before it is finally engraved with our name, "Manhattan" on a lens is now generally recognized as a guarantee of excellence.

The formulas according to which our objectives are constructed, fulfill all the necessary mathematical conditions, the material used is the famous Jena glass, and the mechanical work is the best that can be done. We are therefore in a position to assert the superiority of our lenses, and invite comparative tests to prove our claims.







OR all ordinary work, especially the amateur's, these lenses give universal satisfaction, showing very brilliant effects, giving excellent definition and fully covering the plates specified. The smaller sizes are very suitable for instantaneous work, and for use in hand cameras.

Each lens is mounted in highly finished brass, fitted with rotary diaphragm having five openings, and is supplied with a morocco cap.

PRICES.

Telegraphic Code.	No.	Back Focus.	Size of plate with stop F16.	Diameter of lens.	Price.	Telegraphic Code.	No.	Back Focus.	Size of plate with stop F16.	Diameter of lens.	Price.
Kali	I	4	31/4 x 41/4	5/8	\$2.50	Kneph	4	II	5 x 8	13/8	\$4.50
Keto	2	61/4	4×5	I	3.00	Kurd	5	14	6½ x 8½	15/8	6.00
Knidia	3	8	5 x 7	11/8	3.75	Kybele	6	17	8 x 10	17/8	7.00

"EMIL" WIDE ANGLE LENS.

HESE lenses are well adapted for interiors, buildings and architectural views, having an angle of from 80° to 90°, depending upon the stop used. The greatest care is exercised in their manufacture, and they show surprising cov-

ering capacity and equality of illumination. When the larger stops are used, a speed suitable for instantaneous and flash light exposures can be obtained.

Each lens is mounted in highly finished brass and is provided with a revolving diaphragm having five openings, and a morocco cap.

T I CLO											
Telegraphic Code.	Number.	Back Focus.	Diameter	Plate F16.	Price.						
Lares	I	33/8	5/8	4 x 5	\$ 6.00						
Latona	2	47/8	3/4	5 x 7	7.50						
Leto	3	5 5/8	7/8	5 x 8	8.00						
Lorna	4	61/4	I	6½ x 8½	10.00						
Lux	5	71/4	11/8	8 x 10	14.00						
Lydia	6	81/2	11/4	10 x 12	18.00						



EXTREME WIDE ANGLE APLANAT.

HIS represents the very highest grade of Wide Angle lens, and is constructed for the most extreme angle work. The angle of view runs up to 100° with entire freedom from distortion, and combines a flatness of field and minute defining power, which surpass anything heretofore offered.

Our Aplanat is admirably adapted to all classes of interior and architectural work, and with the larger stops, flash lights and instantaneous views may be satisfactorily taken, as the marvelous flatness, perfection of definition, and equality of illumination embodied, render the most gratifying results obtainable.

These lenses are absolutely free from all flare or foggy diffusions, and are as near optical perfection in every particular as it is possible to construct them.





PRICES.											
Telegraphic Code.	Number.	Back Focus.	Diameter.	Plate Fr6.	Price.						
Mars	I	31/2	5/8	4 x 5	\$16.00						
Magna	2	41/2	3/4	5 × 7	20.00						
Medusa	3	51/4	7/8	5 x 8	22.50						
Mercury	4	6	I	6½ x 8½	25.00						
Mira	5	71/2	1 1/8	8 x 10	30.00						
Minerva	6	9	13/8	IO x 12	36.00						
Monus	7	101/4	15/8	11 x 14	45.00						
Mozart	8	123/4	2	14 x 17	65.00						
Murcia	9	15	21/4	16 x 20	90.00						
Muse	10	16½	25/8	18 x 22	110.00						
Mylitta	11	181/2	3	20 x 24	125.00						



MANHATTAN RAPID RECTILINEAR.

N objective of first-class working qualities that has proven a boon to the amateur who seeks a high grade lens at a reasonable figure. These instruments work at Fio, and combine great rapidity and uniformity of illumination with flatness of field and excellent definition. They are suitable for every kind of rectilinear work: copying, groups, flash lights, architectural views, etc. With the larger stops they will produce good portraits, and the back combination, used as a single view lens, will

cover about twice the specified plate with one-half the speed. Mounted in highly finished

brass with Iris or Waterhouse diaphragms and case, and morocco cap.

Telegraphic Code.	Number.	Back Focus.	Diameter.	Plate Fro.	Water- house.	Iris.
Naiad	I	61/2	I	4 × 5	\$9.00	\$12.50
Nana	2	81/4	11/4	5 x 7	12.00	16.00
Nebula	3	91/2	13/8	5 x 8	14.00	18.50
Nero	4	II	15/8	6½ x 8½	18.00	22.50
Niobe	5	13	17/8	8 x 10	22 00	27.00
Nix	6	15	21/4	Io x I2	26.00	32.50
Norma	7	18	23/4	11 x 14	30.00	37.00



EXTRA RAPID RECTILINEAR.

NOTHER year on the market has proven the rapidly increasing popularity of this lens, which will stand the most severe tests that can be applied to a Rectilinear. We have no hesitation in pronouncing it the best Rectilinear on the market, knowing that a competitive test will prove the truth of our assertion.

These lenses are of the rapid symmetrical type, and are adapted for architectural subjects, copying and enlarging, where absolute freedom from distortion is required. It is possible to secure with them the greatest rapidity obtainable, without the sacrifice of definition due to spherical aberration, and for this reason they are especially adapted for instantaneous work.

The larger lenses of this series are suitable for studio work, giving unusually sharp definition, uniform illumination and great depth,—qualities so much sought for in groups, figures, large heads, etc.

The back lens can be used alone, covering about twice the rated plate with about one-half the speed. These lenses are furnished in superior brass mounting, with Waterhouse or Iris diaphragms and morocco cap.



Number.	Equiv. Focus.	Diameter.	Plate F8.	Water- house.	Iris.
I	61/2	I	4 x 5	\$18.00	\$21.50
2	81/2	11/4	5 x 7	22.00	26.00
3	93/4	13/8	5 x 8	24.00	28.50
4	11	15/8	6½ x 8½	28.75	33.25
5	131/2	17/8	8 x 10	33.50	38.50
6	151/4	21/4	10 x 12	48.00	54.50
7	181/2	23/4	11 x 14	66.00	73.00
8	213/4	31/4	14 x 17	84.00	92.00
9	233/4	31/2	16 x 20	102.00	111.00
10	271/2	33/4	18 x 22	126.00	135.00
11	31 1/2	4	20 x 24	180.00	190.00
	1 2 3 4 5 6 7 8 9	Focus. 1 6½ 2 8½ 3 9¾ 4 11 5 13½ 6 15¼ 7 18½ 8 21¾ 9 23¾ 10 27½	Focus. Diameters 1 6½ 1 2 8½ 1¼ 3 9¾ 1¾8 4 11 1½6 5 13½ 1½ 6 15¼ 2¼ 7 18½ 2¾ 8 21¾ 3¼ 9 23¾ 3½ 10 27½ 3¾	Focus. Diameter. F8. 1 6½ 1 4x5 2 8½ 1¼ 5x7 3 9¾ 1¾ 5x8 4 11 1½ 6½ x8½ 5 13½ 1½ 10x12 7 18½ 2¾ 10x12 7 18½ 2¾ 11x14 8 21¾ 3¼ 14x17 9 23¾ 3½ 16x20 10 27½ 3¾ 18x22	Focus. Diameter. F8. house.



THE PLANOGRAPH.

HE success which this lens has achieved has but fulfilled our expectations when we catalogued it for the first time in '98. Of the wide angle rectilinear variety, it combines the qualities of both these with the properties of the Anastigmat, to a degree that renders this objective a truly all-round instrument.

At F14, which is the working aperture, the field is absolutely anastigmatic. Combined with this marvellous flatness, is a depth of focus that is found in no other type, and which is one of the most remarkable characteristics of this construction. The definition and uniformity of illumination are all that can be desired.

This lens is useful for most of the purposes for which wide angles and

rectilinears are ordinarily used. It is adapted to copying, groups, flash lights, landscapes, etc., and as it covers an angle of about 75°, it is equally suitable for interiors and architectural work.

From an optical standpoint, this objective is a perfect type, and no effort or expense is spared to make each instrument as near perfection as can be attained with the use of the best Jena glass, worked by the most improved and scientific methods.

Each lens is mounted in brass, and is provided with revolving or Iris diaphragm, and cap, at the following prices:

Telegraphic Code.	Number.	Equiv. Focus.	Diameter.	Plate F14.	Rotary.	Iris.
Pallas	I	6	I	4 x 5	\$15.00	\$18.50
Paragon	2	73/4	13/8	5 x 7	18.50	22.50
Parthenor	1 3	83/8	1 1/2	5 x 8	20.00	24.50
Pele	4	91/2	13/4	6½ x 8½	24.00	28.50
Perses	5	111/2	2	8 x 10	28.00	33.00
Phobos	6	14	21/2	10 x 12	40.00	46.50
Pluto	7	16	23/4	11 x 14	55.00	62.00
Pollox	8	1934	3	14 x 17	70.00	78.00
Priam	9	23	31/2	16 x 20	85.00	94.00
Psyche	10	25 1/2	4	18 x 22	105.00	114.00
Pythia	11	28	41/2	20 x 24	150.00	160.00

MANHATTAN PORTRAIT LENS.

E are pleased to announce a still further improvement in this very excellent portrait combination, which has been the subject of much comment among professionals during the past year. The superior qualities of this instrument

have been attested to by the most eminent photographers, its superiority, being very evident. The Manhattan Portrait lenses are designed to compete with the best products of America and Europe, and consequently neither effort nor expense have been spared in bringing this system to its present high state of perfection.

These lenses are a Petzval form, improved by the use of the Jena glass, with the curves so calculated as to compensate for every optical fault.

At full opening F4, they possess a remarkably flat field, very delicate definition, entire freedom from distortion, and uniform illumination, working at the same time with great rapidity.

Optically and mechanically, each lens is finished to the finest detail with scientific accuracy, and each is guaranteed to be perfect in every particular.

Mounted in brass, with Iris diaphragms, at the following prices:

Telegraphic Code.	NUMBER.		BACK FOCUS.		DIAMETER.		PLATE.				PRICE.				
Quentin -	-	I	-	-	81/2	-		-	23/4	-	- 5	x 7	-	-	\$ 90.00
Quixote -	-	2			II		-		31/2		- 6½	x 8½	-		130.00
Quill		3	3	-	131/4	-		-	41/4		- 8	x IO	-	-	190.00



THE MANHATTAN TRIPODS.

UR tripods, in three styles and weights, cover the entire field of the amateur's needs in this direction. Each tripod is constructed with the utmost care, so that any of the three kinds represents excellent value for the money. The No. I is built to fold telescopically into one-half its length when extended, the legs being adjustable to

any desired length by means of the set screw provided. Made of selected ash and provided with a wooden top.

Our '99 No. 2 model, is built on entirely different lines from anything heretofore offered, the wooden parts being capped



THE MANHATTAN No. 2 TRIPOD

with nickeled brass in such a way as to assure greater strength than it is possible to obtain with the methods of construction in use by other manufacturers. This tripod folds in three sections, being adjustable in length by means of the set screw on the second section. Made of choicest ash and supplied with wooden, felt-covered tops.

The No. 3 is built for heavier cameras and is very similar to the No. 2 tripod, differing only in weight and the details of the metal binding. Made of the best selected ash, and provided with a wooden, felt-covered top.

No. 1 folds to 29½ inches, \$2.00. No. 2 folds to 22 inches, \$3.00.

No. 3 folds to 22 inches, \$3.50.

THE PLATE HOLDER.

LL our cameras are furnished with the feather-weight double plate holder, which is so constructed as to permit of easy manipulation. A brass spring in the bottom of the holder keeps the plate in place, and when the latter is to be removed, a slight pressure on a projection of the spring allows the plate to drop out. Each holder is supplied with hard rubber slides, and is fitted with a safety catch to prevent their accidental withdrawal.

4 x 5. \$1.00.

5 x 7, \$1.25. 6½ x 8½, \$1.50.

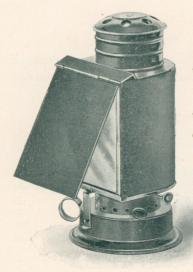
8 x 10, \$1.75.

WIZARD OUTFITS.

UR outfits have achieved a not undeserved reputation as being composed of articles of remarkably stable character.

They are made up with the idea of aiding the purchasers of our cameras to obtain good results, so far as they can be influenced by the quality of the accessories.

No. 1.		No. 2 (continued.)
i Tin Candle Lamp	\$.60	50 Negative Preservers \$.25
1 8 oz. Bottle Developer	-45	1 8 oz. Bottle Developer25
I Bottle Gelatino Toning Solution -	.30	I Bottle Gelatino Toning Solution30
I Printing Frame, 4x5	.30	I Printing Frame, 4x538
3 Compressed Fibre Trays	.84	3 Manhattan Trays, 4x584
I Measuring Glass	.20	I 4 oz. Glass Graduate30
1 doz. Floragraph Paper, 4x5 -	.20	1 doz. Floragraph Paper, 4x520
I lb. Hypo	.10	I lb. Hypo10
doz. Card Mounts -	.10	25 Card Mounts
Book of Instructions	.10	Book of Instructions
	\$3.19	\$5.37
Price, neatly boxed:	G	
4 x 5 - \$1.50, 5 x 7 - \$3.00.	HELAND	Price, neatly boxed:
	Companies NO I OUTFIT Georgian	Trice, heatry boxed:
No. 2.	Price \$1.50.	A Distriction
I Manhattan Ruby Lamp	RANKATTAR OPTICAUCO	4 x 5 - \$4.00,
No. 1 \$1.00	HIVE TO SODA	5 × 7 - \$4.75,
I Jar Paste25	SODA	
1 Paste Brush20		6½ x8½ - \$6.00.
1 Camels' Hair Brush, .35		2
1 doz. Dry Plates, 4x565	Company of the same of the sam	



THE MANHATTAN "B" LAMP.

UR well known "B" Lamp contains several valuable features not found in other lamps at the same price. The ventilation is perfect, and the orange and ruby glasses are selected especially for their non-actinism. The back acts as a reflector, the flame is controlled from without, and the volume of light can be moderated by means of the hinged shade on the front of the lamp.

Price, \$1.00.

THE MANHATTAN CANDLE LAMP.

This lamp is made of japanned metal, is perfectly light-tight, and is fitted with a ruby glass of the proper color for safe work. This is a general good dark room lamp at a moderate outlay.

Price, including candle, \$0.50.

KITS.

When it is desired to use a smaller plate in the camera than the size for which it is rated, this can be accomplished by the use of our kits, which are supplied as follows:

For	4 x 5	Holders,	taking	3½ × 4½	\$.25
"	5 x 7	"	. "	4x5 or 3¼ x4¼,	.30
66	6½ x 8½	"	"	5 x 7, 4 x 5 or 3 1/4 x 4 1/4	-35
66	8 x 10	66	"	$6\frac{1}{2} \times 8\frac{1}{2}$, 5×7 , 4×5 or $3\frac{1}{4} \times 4\frac{1}{4}$,	.40

MANHATTAN BRILLIANT VIEW FINDER.

SERIES of lenses set in a polished mahogany box, which is fitted with a nickeled pivoted hood. The finder is readily attachable to the camera by a spring catch, so arranged that the instrument is reversible, permitting of use for either vertical or horizontal views.

Complete, for 4 x 5 or 5 x 7

THE SNAP SHOT SIGHTER.

This is a double concave lens mounted in a nickeled frame, and provided with a spring clamp, by means of which it can be readily attached to any camera. It enables one to instantly and accurately

locate the picture to be taken, which is reproduced in miniature with great fidelity.

For 31/4 x 41/4 and 4 x 5 camera, each, \$0.75

For 5x7 and 5x8 camera, each, \$1.00 For 6½x8½ and 8x10 camera, each, \$1.35



WIZARD SPIRIT LEVELS.



The Wizard levels can be easily attached to any camera bed, and form an invaluable adjunct to a photographic outfit. They are furnished in nickeled metal mounting.

Price, each, \$0.75

THE MANHATTAN TRAY.

These trays are of compressed fibre, made especially for us. They are guaranteed to be chemical and acid proof, and standard in shape, finish and durability.

			Shallow.	Deep.				Shallow	Deep.
31/4 x 41/4	-	-	\$0.20		8½ x 10½		-	\$1.08	\$1.15
41/4 x 51/2			28	\$0.50	10½ x 12½	-			1.75
5½ x 8½	-	-	.56	.70	12 x 16		-		2.40
7x9 -	-		72	.85					



MANHATTAN NEGATIVE RACKS.

HESE racks are made in two styles, the first with two sets of grooves for eighteen plates, $3\frac{1}{2} \times 3\frac{1}{2}$ and upward. The second has a valuable improvement consisting of an additional set of grooves which will hold plates as small as 2×2 , and which assures the security of the very largest negatives. Capacity, twenty-four plates.

No. 1, for 18 plates - \$0.20 No. 2, for 24 plates - \$0.40

No. 2. THE IMPERIAL TRIMMING BOARD.

This is an ideal board for the moderate outlay involved, since it will do the same work as the higher priced trimmers. The workmanship throughout is of the best, and the knife is of tempered steel with finely ground edges. It will last a lifetime, and is adapted to cutting tissue paper, prints, cardboard and tin.

No. 1, will cut up to 7 inches in width - \$2.00 No. 2, will cut up to 8½ inches in width - \$2.25

No. 3, will cut up to 10 inches in width - \$2.50

THE WIZARD TRIMMING BOARD.

This board is made throughout of the choicest material and in the most careful manner. It is constructed of sections reinforced by cross pieces, so that warping is an impossibility. The scale is accurately adjusted, and the knife is of tempered steel of the very finest grade. A valuable feature is a spring which exerts a tension on the blade, keeping it constantly close to the cutting edge of the board.

No. 1, will cut up to 6 in. in width, \$1.25 No. 2, will cut up to 8 in. in width, \$2.00 No. 3, will cut up to 10 in. in width, \$3.50



PRINT ROLLERS.

HESE rollers have rubber covered wooden mandrels, r inch in diameter. The frames are japanned iron, and are securely fastened to the well finished wooden handle. We can also supply the 4 inch and 6 inch rollers with heavier nickel plated frames as below:

4 inch -			- 5	0.25	8 inch	-		\$0.60
6 " -					10 "			
	4	inch,	nickeled	frames		-	\$0.35	
	6	66	66	. 66			.60	



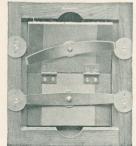
MANHATTAN PRINTING FRAMES.

UR frames are made of well seasoned cherry, and are warranted to be dry and free from the influences of weather. They are made in two styles, the No. 1 being the cheaper and more lightly constructed of the two. The leather hinge, formerly supplied with this style,

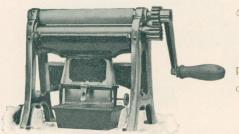
has been replaced by a single broad metal hinge, as shown in the engraving.

The No. 2 is a heavier frame, composed throughout of the best material, and finished in the best possible manner.

					No.	1.										1	No.	2				
3½ x 3½	-		-	-	\$0.24	5 x 7		-		-		\$0.37		4 x 5	5	-		-		-	4	50.38
31/4 x 41/4					.26	5 x 8	-		-		-	.40										.50
41/4 x 41/4	-			-	.30	6½ x 8½		-		-		.48										.52
4 x 5		-			.30	8 x 10	-		-		-	.60	6	1/2 x 8	31/2		-		-		-	.60
4½ x 6½	-				-37									8 x	0	-		-		-		-75



ACME AMATEUR ROTARY BURNISHER.



for his requirements, despite the very moderate price. It is as simple in construction as is consistent with the adjustments which it has, works perfectly, and gives a beautiful finish. Can be had for any of the three methods of heating designated.

81/4 inches, with alcohol, oil or gas heater

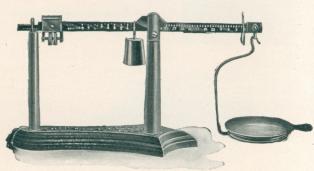
5.00

"FAIRBANKS" PRESCRIPTION SCALE.

HE Fairbanks beam scale, of which the accompanying cut is an illustration, has always been the favorite among amateur photographers, because, 1st: It is extremely accurate. 2nd: It is simple in construction and beautifully finished. 3rd: There are no weights to be lost.

This scale will weigh from ½ grain to I ounce, and its absolute accuracy is accounted for by the fact that the beam, scale pan and weights are all balanced upon the most carefully ground knife edges. It is certainly indispensable to those who prepare their own solutions.

Price, \$5.00





THE CHROMAGRAPH.

HE amateur who has progressed beyond the mere snap-shot stage usually includes photographing with the color screen among his accomplishments. By means of the Chromagraph, the proper color values in the subject may be rendered, whether it be a painting, a vase of delicately tinted flowers, or an evening landscape.

The instrument consists of a brass ring finished in tasty matt black lacquer, and holding the yellow color screen. The purpose of the latter is to moderate the chemical effect of the violet the same gradations of tone as the eye perceives are rendered in the pegative. The absolute

and blue rays, so that the same gradations of tone as the eye perceives, are rendered in the negative. The absolute parallelism of the plane surfaces of the glasses, as well as the uniform and proper colorings of the same, are factors

of prime importance, and these features have been made the subject of the most careful study in the Chromograph. Each of these instruments is supplied with two differently tinted glasses, interchangeable in the mount, and covering a sufficient range for all purposes.

		ens cells up to le diameter of:	Prices, when fitted to our cameras.	When fitted to others.	Leather- covered case.	Caps.
No	. I	15/16	\$1.25	\$1.50	\$.50	\$.25
66	2	I 3/4	1.50	1.75	.50	.30
. 66	3	27/8	1.75	2.00	.60	.40
66	4	33/4	2.00	2.25	.75	.50

When ordering, send a strip of paper exactly reaching around the hood or lens cell.

MANHATTAN FLASH CARTRIDGES.

These magnesium compound cartridges are so prepared as to give the most actinic light that can be had, and as a consequence their use is attended with considerable economy. Made in two sizes, each package containing six cartridges and fuses.

No. 1, \$0.25 per package.

No. 2, \$0.40 per package.



THE TELEMETER.

HE need of an instrument of this kind is frequently felt by those who use a hand camera without a tripod, and who do not feel entire confidence in the accuracy of their own estimation of distances.

The method of using the Telemeter is to look at the base of the object to be photographed, through the sight tube, releasing the pivoted index hand by pressure on the push stud. When the instrument has been properly sighted, the push stud is released and the

pointer will remain clamped over the scale at the figure which indicates the distance of the object.

The Telemeter is only 2½ inches long, is finished in nickel and will commend itself to all as being well worth the slight outlay involved.

Price, \$0.50.

MANHATTAN NEGATIVE PRESERVERS.

These preservers are made of smooth manilla paper, and protect the negatives from dust, breakage or scratches. They are printed to facilitate accurate registering.

	Per 100	Per 1,000	1		
For 3½ x 3½ Negatives	\$.25	\$2.25	For 5x7 Negatives	\$.35	\$3.00
" 4x5 "	.30	2.50	" 6½ x 8½ "	.40	3.50
" 4½ x 6½ "	.32	2.75	" 8x10 "	.50	4.50

MANHATTAN PHOTO PASTE.

Is supplied in air-tight glass jars with nickeled screw covers, always ready for use, and is guaranteed chemically pure.

A decidedly high grade paste, which cannot injure the print.

2 oz. Jar, \$0.10 4 oz. Jar, \$0.15 6 oz. Jar, \$0.25



THE MANHATTAN FIXING BOX.

HIS box is made of japanned metal and cannot rust. It has a new plate lifter, by means of which the negatives can be removed without putting the fingers into the bath.

No.		Size of Plate.	Price.	No.		Size of Plate.	Price.
I	-	31/4 x 41/4 or 31/4 x 4 -	\$0.90	3	-	5 x 7 or 5 x 8	\$1.50
2	-	4 x 5	1.00	4	-	6½ x 8½	1.75

THE WIZARD WASHING BOX.

The water enters through a rubber hose attached to a small tube at the top, which extends to the bottom of the box. Here the water is distributed and flows upward through the perforated bottom and out through the large tube at the other side. By means of the rod and movable bottom, which are provided for the purpose, the negatives may be raised above the edge of the box, so that they can be removed from the washing water without the necessity of wetting the hands.

No.	Size of Plate.	Price.	No.	Size of Plate.	Price.
2 4 x 5 or	3½ x 4 or 3½ x 3½ 5 x 7	- I.25	4 5 6	5 x 7 or 6½ x 8½	\$1.75



THE WIZARD DRYING AND WASHING RACK.

This device is useful to the tourist, since it can be folded to a thickness of about half an inch. It is made of japanned metal, and the tray at the bottom will receive all the drippings from the plates.

Price, \$0.50

No. Inches Size of Plate.	No. Inches Size of Plate.	No. Inches Size of Plate.
1 3½ 3½ x 3½, 3¼ x 3		



THE WIZARD SHUTTER.

N the Wizard Shutter have been combined all the latest and best adjustments, making it perfect in every detail. It is constructed of highly finished brass and nickeled parts, and is equipped with an Iris diaphragm, working between the lenses.

The manipulation of the shutter is extremely simple:

To set the shutter ready for exposure, draw the lever over the time dial as far to the right as it will go.

If an instantaneous exposure is desired, press the regulating lever on the right

downward until it points to "1." By pressure on the bulb or on the release lever, an instantaneous exposure is made, whose duration is controlled by the graduated dial, being fastest

when "100" is opposite the pointer, and slowest when set at "5." The pointer on the name plate acts as an indicator for the graduated dial.

When the regulating lever is set at "B," the shutter remains open as long as pressure is maintained on the bulb, or on the finger release.

When the regulating lever is set at "T," the first pressure on the bulb or on the release lever opens the shutter, and a second closes it.

The Iris diaphragm is operated by setting the indicator at the required opening.



THE WIZARD SR. SHUTTER.

Rausch & bomb

Optical Co.

THE PATENT IRIS DIAPHRAGM

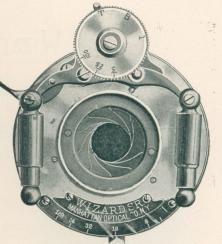
SHUTTER.

HIS excellent shutter is recognized as one of the most reliable on the market, being provided with a retarding device which makes possible automatic exposures up to one second in duration. It is fitted with an Iris diaphragm,

controlled by a lever under the diaphragm scale.

The shutter can be made to work automatically from 1/100 to one second, and to any fraction between. by revolving the time dial to the desired speed. Provision is also made for "bulb" and time exposures, either by finger or bulb release.

> Any lens having at least 3/16 of an inch of space between the front and back combination can be fitted to this shutter.



THE DIAPHRAGM SHUTTER.

HIS shutter will be found to meet every requirement of the amateur and professional photographer desiring a strictly first-class shutter for all classes of work.

It works automatically and noiselessly from 1/100 of a second to three seconds, and may be set for time exposures by the turn of a lever. The leaves of the Iris diaphragm act as the shutter blades, which cannot be opened in setting the shutter, as it is provided with a safety device. An instrument of the very highest grade which we unhesitatingly recommend to those desiring the best.

4 x 5, \$14.00 5 x 8, \$15.00

6½ x 8½, \$16.00

The Wizard Photo-Chemical Preparations.



OREMOST among the best, the Wizard Preparations have maintained an enviable reputation for uniform reliability, and the economy attending their use.

In this department the greatest care must be exercised, and the success with which our powders and solutions have met, is a testimonial to the fact that cleanliness and accuracy are here rigidly observed.

WIZARD TONING AND FIXING POWDERS.

For Gelatine Papers. For Collodion Papers.

OTHING better suited to the needs of the tourist has ever been offered than our Wizard Toning and Fixing Powders. They are supplied in small mailable tin boxes, the contents of which, dissolved in 10 ounces of water, yield a toning bath of prime quality. Two kinds are supplied, one for the gelatine, and the other for collodion papers. Both can be used repeatedly with same results.

Price, \$0.30. Postage, \$0.03.

GELATINO.

This is a most efficient toning solution for gelatine papers of all brands. Clean, clear prints of any desired tone characterize the working of this bath.

8 oz. Bottle, \$0.30. 16 oz. Bottle, \$0.50.

TONO=COLLODIO.

A

TONING solution for collodion papers, which is prepared from the best of chemicals, and with such care as to insure the uniformly brilliant results obtained. Will yield clear high lights and any tone.

8 oz. Bottle, \$0.30. 16 oz. Bottle, \$0.50.

WIZARD DEVELOPING POWDERS.

BSOLUTELY essential to the production of good negatives is the use of a developer properly prepared from the purest chemicals obtainable. Our Wizard Developing Powders are such, and their use is always attended by the most gratifying results.

Each box contains six packages of developer, each of which is to be dissolved in 4 ozs. of water. The developing agent and the alkali are put up in separate papers, and by the partial addition of the alkali, over-exposures may be controlled just as with the two solution developer.

The Wizard Powders are put up as Metol, Hydroquinone, Eikonogen, Hydro-Metol and Eiko-Hydro. They are admirably adapted to general work, yielding brilliant negatives, transparencies, lantern slides, bromide prints, etc.

Pricc, \$0.25. Postage, \$0.03.

WIZARD REDUCER.

Wizard Reducer is always ready for use, and reduces all negatives that are too dense. It will not produce stain, and can be used at any time after the plate is developed,—while still wet, or after it has been dried.

Price, two 8 oz. Bottles, Nos. 1 and 2, \$0.50.



The coliseum at rome. Taken with the Cycle Wizard C, 5x7. (Reduced.)

WIZARD INTENSIFIER.

OR re-developing underexposed or insufficiently developed plates. If a negative is too thin and prints too quickly, the Wizard Intensifier will give it the qualities which characterize a properly developed plate. This solution is superior to others in that it does not veil the shadows.

8 oz. Bottle, \$0.35.

WIZARD CONCENTRATED DEVELOPERS.

These developers are put up as solutions, and being of concentrated strength, will be found very desirable by those who prefer not to mix their own chemicals. They will develop a greater number of plates than any other developer, and will keep indefinitely if properly protected from the air. The Wizard Developers are adapted to all kinds of work, yielding the most brilliant negatives, positives, transparencies, lantern slides, bromide prints, etc., and will bring out absolutely every trace of an image upon the plate.

Wizard Metol Developer, 8 oz. Bottle - \$.30 Wizard Hydro-Metol Developer, 8 oz. Bottle - \$.25 " Eiko-Hydro " " 5 .25 " 25 Wizard Eikonogen Developer, 8 oz. Bottle - \$.25

WIZARD HARDENING AND CLEARING SOLUTION.

This solution, used after the fixing bath, will make clear, crisp negatives, and will prevent them from frilling in the warmest weather. It also fills a want long felt by those who use gelatine paper, as it will keep the emulsion clear and hard through the operation of toning, even in the warmest weather.

8 oz. Bottle, \$0.30.

MANHATTAN PRINTING PAPERS.

HE Manhattan Platinum paper is sufficiently well-known to render unnecessary any repeated assurance of its many points of superiority, —yielding, as is generally acknowledged, the most artistic pictorial effects.

Our Flora-Matt is a new printing paper, perfected only after a series of elaborate and exhaustive experiments, which we have decided to introduce in order to meet the growing demand for matt-surface papers of this class. As it is a printing-out paper, there can be no uncertainty as to the results, and by means of either the gold toning bath, or this followed by the platinum solution, a wide range of tones may be had.

We now supply Flora-Matt in place of the Floragraph, and feel certain that the slight increase in price is justified by the advantages gained through the use of this paper, whose range of applicability to different classes of subjects is practically unlimited.



MANHATTAN PLATINUM PAPER.

HOTOGRAPHY has arrived at a stage in its development, at which we require of it, above all, the production of artistic results. No photographer will deny that the effect of a good negative may be in large part spoiled by injudicious printing.

We venture to say that there are but few amateurs whose collections of negatives do not include some which are worthy of the best printing process; to such we would recommend a trial of Manhattan Platinum.

It is perhaps needless to remind the more experienced professional photographer of the immense advantages which attend the use of this class of paper. With the possible exception of the Carbon Process, no other yields results so satisfactory and so artistic as Platinum.

We claim that by means of this paper it is possible to get the most advantageous rendition of all that there is in a negative. The velvety blacks, and deep browns, the delicately shaded middle-tints, and the pure whites, combine with the tasty mat surface to produce that æsthetic atmosphere which characterizes the best work of the day.

Would ask our patrons to note that Manhattan Platinum is made both smooth and rough, and in engraving black, blue black, and sepia.

PRICE LIST.

Size.	Smooth Black, Per doz. Sheets.	Rough Black and Rough or Smooth Sepia, Per doz. Sheets.	Size.		nooth Black doz. Sheet	s. :	Rough Black and Rough or Smooth Sepia, er doz. Sheets.	Size.		mooth Black, r doz. Sheets	. 3	Rough Black and Rough or Smooth Sepia, er doz. Sheets.
3½ x 3½	- \$.25	- \$.25	5 x 7	-	\$.70	-	\$.80	11 x 14	-	\$3.40	_	\$3.75
31/4 × 41/4	30	30	5 x 8	-	.85	-	.95	14 x 17	-	5.25	_	6.00
4 x 5	45	50	6½ x 8½	-	1.15	-	1.25	16 x 20	_	6.75	-	7.00
3¾ x 5½ Cab.	50	.60	8 x 10	-	1.70	-	1.85	20 x 26	-	9.00	-	10.00
			IO X I2	_	2.50		280					

DEVELOPER (sufficient for 50 oz. solution) 35 cents.

TRIAL TIN of six sheets of 4x5 smooth black, with salts for six ounces developer, mailed postpaid for 30 cents.

MANHATTAN PLATINOID PAPER.

HE above is the result of a series of costly and exhaustive experiments, the aim of which was to produce a paper which should be at once simple of manipulation and lower in price than the Platinum, and which should still retain the distinctive features which adapt the latter pre-eminently for artistic work.

We are enabled to offer an article which is not only considerably lower in price than Platinum, but one of which the developer is water. The double economy must be apparent. In this process, development is accomplished by simply immersing the print in warm water, or by holding it in the steam from the spout of a kettle of boiling water. Indeed, if the prints be allowed to lie for about twelve hours, the moisture of the atmosphere will act as the developing agent. Fixation is accomplished, as in the case of Platinum, by means of a solution of one part of hydrochloric acid in sixty parts of water.

For landscapes, interiors, and marine views, in fact for every class of subject, but the more delicate portrait work of the professional, this paper is unexcelled by anything else at the same price.

We respectfully invite your attention to the appended price list:

Size.	PE	ER DOZEN	٧.	Postage.	PI	ER GROSS.	Size.	P	ER DOZEN	٧.	Postage.	P	ER GROSS.	Size.	P	ER DOZE	N. 1	POSTAGE.	PE	R GROSS.
3½ x 3½	-	\$.15	-	\$.02	-	\$1.40	5 × 7	-	\$.45	-	\$.06	-	\$3.85	11 x 14	-	\$1.65	-		-	\$16.50
3½ × 4½							5 x 8	-	.50	-	.07		4.40	14 x 17	-	2.50	-		-	26.40
4¼ × 4¼	-	.25	-	.03	-	2.00	6½ x 8½	-	.70	-	.08	-	6.60	16 x 20			-		-	35.20
4×5	-	.25	-	.03	-	2.00	7×9	-	.80	-	.09	-	7.70	18 x 22	-	4.10	-		-	44.00
4x6	-	.30	-	.05	-	2.00	8 x 10	-	1.00	-		-	8.80	20 x 24	-	4.50	-		-	48.00
4¼ x 6½	-	-35	-	.05	-	2.75	10 x 12	-	1.40	-		-	13.20	20 x 26	-	5.50	-		-	50.00

FLORA=MATT.

N response to the constantly increasing demand for matt-surface papers which shall give the same detail and brilliancy as the glossy aristotype papers formerly in vogue, we recently instituted a series of experiments in this direction, the successful result of which we are pleased to bring to your notice under the name of Flora-Matt.

This is a printing-out paper which is treated in printing just as the ordinary aristotype paper with which most amateurs are familiar, requiring only somewhat deeper printing,—until the shadows are well bronzed.

A decided advantage of this paper lies in the extremely wide range of tones at the command of the operator. By the use of a plain solution of chloride of gold, followed by a few minutes' fixing in a hypo solution, a beautiful warm tone may be had, varying according to the time occupied by the toning process.

If an olive or blue-black tone is desired, these can be had by supplementing the toning in the above bath with the use of the chloroplatinite of potash bath,—followed by the hypo fixing solution

Flora-Matt has the peculiar printing qualities which render it adaptable to every class of subject, and which make it extremely efficient in the rendition of all that there is in a negative. Both the professional and the amateur will find Flora-Matt invaluable in their respective spheres.

As it is coated on smooth stock, the finest details are reproduced, and the additional advantage of the refined matt surface, places this paper distinctively in a class with the best. Certainly nothing better has ever been offered to those who are desirous of making the most of their negatives.

In ordering this paper by mail, please include postage.

PRICE LIST.-FLORA-MATT.

Size.	F	PER DOZE	N.	POSTAGE.	1	Per Gross.		POSTAGE.	Size.	Р	ER DOZEN.	POSTAGE.	1	PER GROSS.	Po	STAGE
2½ x 2½	-	\$.10	-	\$.02	-	\$1.00	-	\$.09	5½ x 7¾	-	\$ -45	- \$.06	-	\$4.00	. 4	.26
3½ x 3½	-	.15		.02	-	1.50	-	.09	6½ x 8½	-	-55	.06	-	5.10		.26
3½ x 3½	-	.15	-	.02	-	1.50		.09	7 x 9	-	.60	.09	-	6.00		.26
31/4 x 41/4	-	.15	-	.02	-	1.50		.09	8 x 10	-	-75	10	-	7.80		
4 x 5	-	.20		.02	-	1.65	-	.12	10 x 12	-	1.10	-	-	12.00		
Cab. 37/8 x 51/2	-	.25	-	.02	-	2.00		.12	11 x 14	-	1.45	-				
4 x 6	-	.30	_	.03	-	2.25	-	.12	14 x 17	-	2.20		1.	24.00		
4½ x 6½	-	.30	-	.04	-	2.60	-	.15	16 x 20	-		-		32.40		
5 × 7	-	-35	-	.04	-	3.20	-	.21	18 x 22		3.00	-		40.80		
5 x 8	-	.40	-	.05	-	3.60	-	.21	20 x 24		4.20	-		48.00	-	

Cabinet Seconds		-	-	-	-	-	-	\$1.60 per gross.
Cabinet Proofs	-	-	-	-	-	-	-	1.10 per gross.
10-yard roll -							-	.60 per yard.
5 yard roll -	-	-	-		-	-	-	.65 per yard.
10-foot roll								

Half-dozen packages in following sizes only: 11 x 14, 75 cents; 14 x 17, \$1.15; 16 x 20, \$1.50; 18 x 22, \$1.90; 20 x 24, \$2.20.

WIZARD FERRO PAPER.

ELIEVING that a demand exists for a really good blue print paper, and that the printing outfit of the amateur is incomplete without facilities for first-class blue printing, we have decided to introduce a paper of this class which we have always used with much success in our own work.

The striking characteristics of Wizard Ferro are the pure cobalt blues which it yields, the true rendering of the half-tone and details in the negative, and the clear whites. If the prints are immersed in a one per cent. solution of oxalic acid after the third or fourth washing water, the blue is intensified even beyond its natural depth.

A beautiful violet color may be obtained by treating prints with a one per cent. solution of ammonia after the third or fourth washing water, or after treatment with oxalic acid solution as above. When the desired color is reached, the prints are quickly removed, and two or three changes of water suffice as the final washing.

Odd effects may be produced by laying the wet prints on a plate of glass, blotting off the superficial moisture, and making local applications of ammonia solution by means of a tuft of absorbent cotton or a camel's hair brush. The resultant prints show both the blue and violet colors.

The surface of Wizard Ferro is slightly grained, and this adds not a little to the pleasing effects which this paper yields.

PRICE LIST.

Size.	Per Package of 25 Sheets. Postage prepaid.	Per Gross.	Size.	Per Package of 25 Sheets. Postage prepaid.	Per Gross.	Size.	Per Package of 25 Sheets. Postage prepaid.	Per Gross-
31/4 x 41/4	\$0.16	\$0.80	4¼ x 6½	\$0.30	\$1.50	8 x 10	\$0.68	\$3.75
3 2 x 3 1/2	.16	.80	5 x 7	•35	1.75	10 x 12	1.00	5.50
4 x 4	.20	1.00	5 x 8	.40	2.00	11 x 14	1.50	8.25
4 x 5	.20	1.00	6½ x 8½	.56	3.00	14 x 17	2.00	10.75

18 x 22, per dozen, \$1.50 22 x 24, per dozen, \$1.75

CARD MOUNTS.

F mounts are to be sent by mail, postage must accompany the order. The amount to be added for postage, per package, on the various sizes, is as follows:

31/4 x 41/4	 \$.13	4 x 5		5	6 .15
Cabinets					
5 x 8	.26	6½ x 8½	-		-37

No. 1. White, Rose, Primrose, Plain Round Corners.

No. 2. Amber, White, or Rose, with Gilt-beveled Edges.

	Per Package of 25.	Per 100.		Per Package of 2	5. Per 100.
3½ x 3½	\$.18	\$.65	$3\frac{1}{2} \times 3\frac{1}{2}$	\$.25	\$.80
31/4 x 41/4	.18	.65	31/4 × 41/4	25	.80
4 x 5	20	.70	4 x 5	30	.95
Cabinets	25	.80	Cabinets	30	1.00
5 x 7	30	.95	5 x 7	50	1.75
5 x 8	35	1.10	6½ x 8½	.80	2.75
61/ +81/		1.50			

No. 3. Unenameled, Narrow Embossed Border, Assorted Colors.

			Per	Package of 25.	Per 100.
3½ x 3½		-	_	- \$.30	\$1.00
31/4 x 41/4	-		-	.30	1.00
4 x 5	-	-	-	35	1.20
5 x 7	-	-	-	.65	2.25

CHEMICALS.

Please note that the absolute purity and reliability of our chemicals are guaranteed.

Acid Acetic, per lb. bottle -		-		-		\$0.20	Iron Sulphate, per 1b.	-		-		-	4	\$0.06
Acid Citric, per oz.		-	-			.12	Lead, Acetate, per oz		-		-		-	.10
Acid Mutiatic, per lb.	-			-		•45	Lead, Nitrate, per oz.	-		-		-		.10
Acid Nitric, per lb.		-	-		-	.30	Metol (Hauff's), per oz		-		-		-	.75
Acid Oxalic, per oz.	-	-		-		.10	Mercury, Bichloride, per oz.					-		.12
Acid Pyrogallic, per oz		-	-		-	•35	Potassium, Bromide, per oz		-		-		-	.12
Acid Sulphuric, per oz.	-	-		-		.12	"Bicarbonate, per lb.	-		-				.30
Alum, powdered, per lb.		-	-		-	.10	"Bichromate, per lb		-		-		-	.50
Alum, Chrome, per lb.	-	-				.20	" Carbonate, per lb.	-		-		-		.25
Ammonia, per ½ lb. bottle -		-	-			.25	Soda, Caustic, per oz		-		-		-	.10
Ammonium, Iodide, per oz	-	-		-		.40	" Sulphate, per oz.	-		-		-		-55
Borax, per lb		-	-		-	.15	" Sulphite, granular, per lb.		-		-		-	-35
Eikonogen, per oz	-	-				-37	" Sulphite, crystals, per lb.	-		-		-		.25
Gold Chloride, per 15 gr. bottle,	liquid	1	-		-	.70	" Hyposulphite, per lb		-		-		-	.10
	dry	-		-		.60	Sodium, Acetate, per oz, -			-		-		.IC
Hydrochinone, per oz		-	-		-	.40	" Bicarbonate, per lb		-					.25

Write for special quotations on chemicals in quantities.

DRY PLATES.

All Bı	rands, such as Carbutt, Cramer	, Seed, Wuestner, Stanley, etc.	
3½ x 3½ - per dozen, \$0.45 3¼ x 4¼ - ".45	5 x 7 - per dozen, \$1.10 5 x 8 - " 1.25 1	8 x 10 - per dozen, \$2.40 14 x 17 - 0 x 12 - " 3.80 16 x 20 - 1 x 14 - " 5.00 20 x 24 -	per dözen, \$9.00 " 12.50 " 18.50
	SUNDR	IES.	
Bristle Paste Brushes, I in. wie	ide \$0.10	Glass Cutter, for trimming dry plates	\$0.25
" " " I ¹ / ₂ "	20	Hydrometer	.50
" " 2 "	25	Hard Rubber Fixing Baths, 4x5	2.00
Camel's Hair " I "	20	" " 5 x 7 -	- 2.50
" " " 1½ "	30	" 6½ x 8½ -	3.00
2	46	Negative Boxes (24 plates), 31/4 x 31/4	75
Developing Trays, Rubber, for	4 x 550	47.5 -	80
	5 x 872	" " 5 X 7 -	- 1.00
6	½ x 8½85	" " 6½ x 8½ -	1.00
	8 x 10 1.16	Rubber Gloves, send size, from \$1.50 up.	
Filtering Paper, 100 sheets, 71/2 in		" Finger Tips, per set of 3	15
" ioo " io "	45	"Tubing, per foot -	
Focusing Cloth, Rubber		Scales and Weights, 5 in. beam -	60
01 0 1	30	" " 6 " -	75
"		8	- 1.50

CAMERA REPAIR PARTS, ETC.

Flanges, 3¼ x 4¼, 4 x 5 \$0.30	Lens Boards (for our cameras), 5 x 7 \$0.30
" 5 x 7, 5 x 840	" " " " 6½ x 8½, 8 x 1045
" 6½ x 8½60	Bellows, for A, B, and C cameras, 4x5 - 2.25
8 x 1075	" " " 5x7 3.00
Caps, 31/4 x 41/4	" " " 6½ x 8½ - 4.00
" 4x530	" " " 8x10
" 5 x 7, 5 x 8 · · ·35	(View Camera) 5.00
" 6½ x 8½ ·50	Ground Glasses, 4x515
" 8 x 1060	" " 5 x 7
Tripod Heads, Nos. 1 and 2 50	" 5x830
" No. 360	" 6½ x 8½40
Tripod Head Screws25	" 8x1050
" Leg Screws15	Bulb and Tubing50
Lens Boards (for our cameras), 4x525	Ruby or Amber Glasses for Dandy or "B" Lamp .15

Prices quoted upon application for all kinds of Photographic supplies.

A FEW UNSOLICITED TESTIMONIALS.

I have not seen a \$5.00 camera that can beat the Boss Dandy

I have one of your 61/2×81/2 "Emil" Wide Angles that I

New York, N. Y.

bought of you, which is a good one; also a 5×8 "Emil" that I

(Wizard V), either in looks or work. RALPH CURRIER, Rose Hill, Iowa.	bought of you, which is a good one; also a 5×8 "Emil" that I bought of L. Black & Co., which I think cannot be beat. Have worked it alongside of a Morrison, same size, and a Bausch &
The Baby Wizard (Cycle Wizard C) camera is a little beauty, and I am highly pleased with it. S. H. MOSES, Duncannon, Pa.	Lomb, 6½ ×8½ Wide Angle Lens, on the same camera and in the same place, and have beaten both of them, showing more of the interior and just as sharp a picture. Have shown the plate to the Bausch & Lomb agent here and made him acknowledge that
I have just gotten one of your Bo Peep B (Wizard B) cameras, and I cannot praise it too highly. It is doing excellent work. Mrs. A. L. FULLER,	the "Emil" was the best. C. A. CONVERSE, Detroit, Mich.
Gouverneur, N. Y.	I send you under separate cover a few photographs which I took with one of your 5×7 Baby Wizard cameras. These photo-
Have had fine results from the lens in my camera during a trip north for the past two months, and simply got away with every. thing I ran up against. S. H. NEFF, Tampa, Fla.	graphs were taken in February, in the northern part of Germany and the light at that time of the year is very poor and I purposely selected cloudy days in order to see the difference between your camera and lens, and the Zeiss lens on my old camera. When I
Sometime ago you sent me on my order some of your Platinum paper. I have tried several other kinds since then, but I like the "Manhattan" the best. CHAS. E. MORRIS, Winton Place, Ohio.	came to develop the plates I felt as if I had wasted the plates because I believed there was no lens that could give any detail excepting the Zeiss in cloudy weather, but the prints I send you demonstrate that your lens is simply remarkable. I cannot see
In months of viewing I made a specialty of interiors, and rarely had to make one over, as their quickness, depth and definition enabled me to make as good interiors as one can desire. As my orders depended upon the results, and as I have failed in	where the difference in price between the Zeiss lens and your comes in. The flatness of field of your lens and the rapidity are such that had anybody told me of this I should have questioned i very much, but I have recommended my friends to buy your
but one or two cases to get orders, in this length of time, its a	outfits and I can conscientiously recommend them to anybody who
clear case the lens is all right. (Emil Wide Angle 6½ x 8½.)	want excellent outfits. M. TOCH,
W. A. MILMINE.	468 West Broadway,

Belvidere, Ill.

INDEX.

	PAGE 1	PAGE PAGE	SE
Brushes;		Flash Light Cartridges, 43 Printing Papers; (continued)	
Bristle		Focusing Cloths,	54
Camel's Hair,		Funnels, 60 Platinum,	
Burnishers,		Gelatino,	57
Cameras:		Glass Graduates, 60 Print Rollers,	41
Cycle Wizard A,		Glass Trimming Forms	
" B,		Hardener	49
" " C		Hydrometer 60 Rubber Finger Tips,	60
L. F. Cycle Wizard,		Intensifier,	60
L. F. W. A. "		Shutters;	
Wizard A,		Diaphragm,	47
" B,		Wizard,	
" C		Wizard Sr	17
Wizard V		o . Octates,	co
" View		Extra Rap. Rec	
Camera Price List,			
		Chap chot organer,	
Camera Repair Parts,		Splitt Bever,	
Caps,		Telemeter,	
Carrying Cases,		Zampo,	
Chemicals,		Mounts,	
Chromagraph,		Negative Boxes,	19
Developers,		Negative Preservers, 44 Trays;	00
Developing Powders,	. 49	Negative Racks,	
Drying Racks,	40	Outfits,	
Drying and Washing Racks, .		Paste,	
Filtering Paper,		Plate Holders,	
Finder, Brilliant,		Plates,	
Fixing Boxes,	45, 60	Printing Papers;	45
Flances	61	Flore-Matt 55 Washing and Drying Packs	45

TERMS.

N ordering goods, please state how to ship; otherwise we will use our own judgment.

Prices given are all net; boxes, packing, and delivery to Express Office, free.

All orders to be sent by mail must be accompanied by the full amount of the invoice, and they will be shipped only at the risk of the purchaser.

Orders for shipment by freight must be accompanied by the full amount of the invoice.

Persons unknown to us, desiring goods to be sent C. O. D., must remit onequarter the amount of the invoice. The goods will then be sent by express, with the privilege of inspection.

In the case of lenses, we will allow ten days' trial, provided the above condition is observed. Should the goods not be kept, we will return the amount of remittance, less the express charges.

