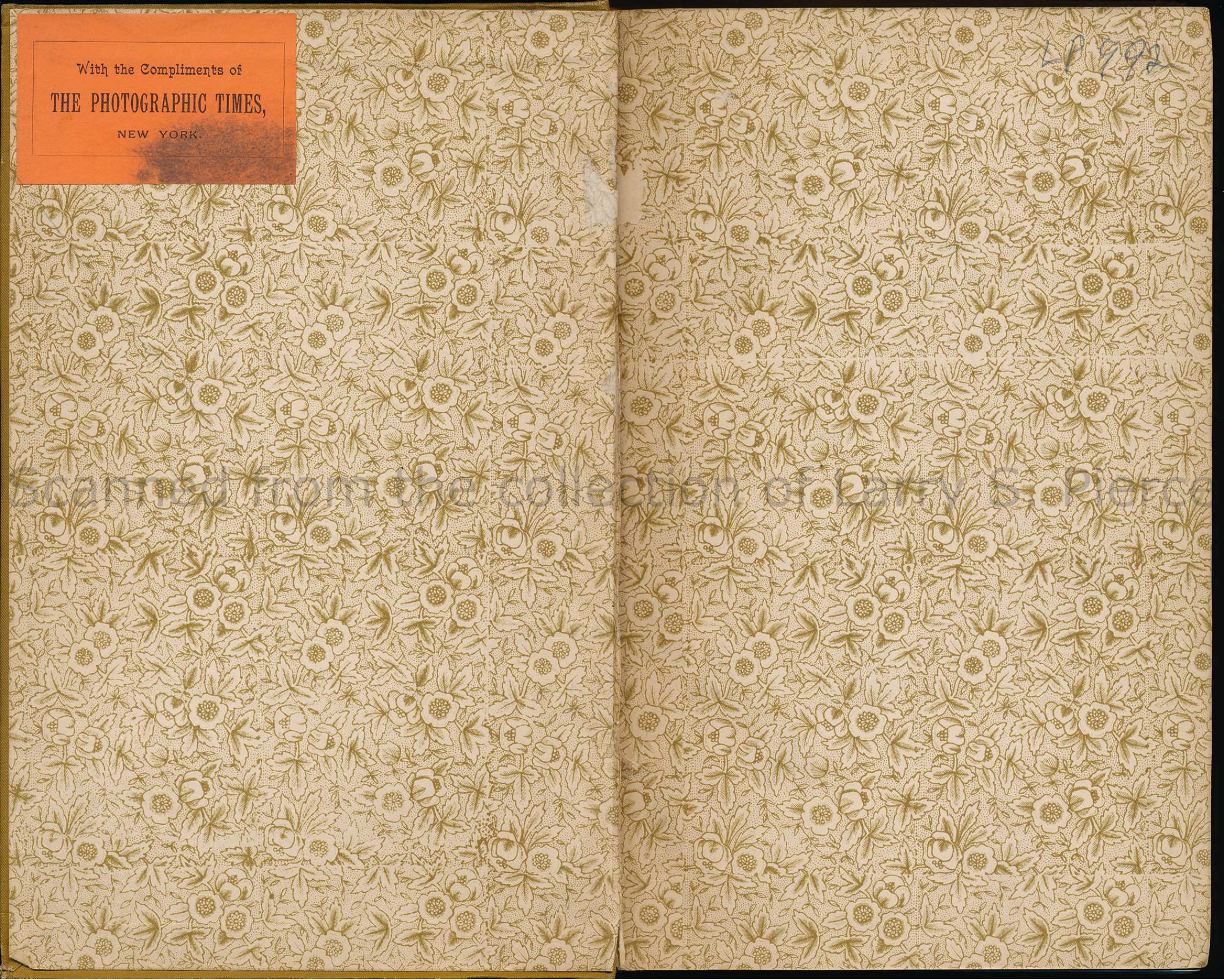


The American Annual of Photography
AND
Photographic Times Almanac for 1838.

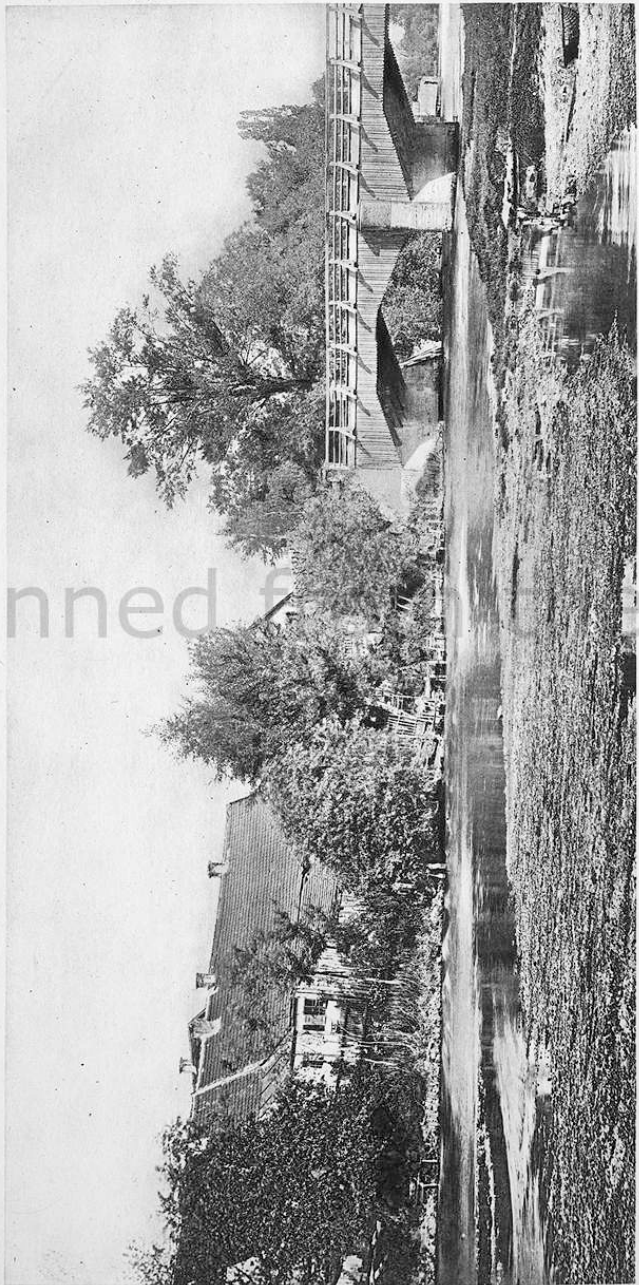
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THE PHOTOGRAPHIC TIMES,
NEW YORK.

L.P. 792



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NEW YORK

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THE
AMERICAN ANNUAL OF

Photography

AND

Photographic Times

ALMANAC
FOR 1888

EDITED BY

C. W. CANFIELD :

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Scovill Manufacturing Company

W. IRVING ADAMS, ACT.

PREFACE.

IN writing the introductory word to the "ANNUAL" for 1887, we agreed to be content if the result proved "that there was room for this addition to the number of already established Year Books." On that basis, contentment must be our lot; the result shows with abundant conclusiveness that there *was* room, for the first edition was exhausted almost immediately, and a second speedily called for and issued.

This is a most gratifying state of things, and shows that the interest in and enthusiasm for the art and practice of Photography is growing apace, and that efforts to collect and publish in compact form the accumulated experience of many minds, are appreciated.

As before, the articles have all been written expressly for the ANNUAL, and in again making the prefatory bow to the readers of this, the second volume of what we hope will prove a long series, the editor once more acknowledges with feelings of deep obligation the kindness and interest manifested by all those who have helped to make this issue what it is. Their number is larger than before, the ground covered is naturally more extensive; our pages have had to yield to the pressure, and expand; and even then, several articles which were sent us were too late to be included. These have been published in the columns of the *Photographic Times*, and their authors are included in our thanks.

Thanks are also due to the Eastman Dry-Plate and Film Company for their charming bromide print, to E. Obernetter, of Munich, Germany, for the fine specimen of his photogravure process, to the Crosscup & West Company, of Philadelphia, and Stevens & Morris, of New York City, for the blocks they so kindly furnished for the illustrations of the "Ives process" and zinc etching, respectively, and to the Photogravure Co., of New York, for the photo-lithographic print.

For the rest, the pages must speak for themselves. Let us hope that their silent speech will gladden some, by telling of others' success along ways in which they have themselves labored—help others by showing heights still to be scaled on the road to perfection. So we set up our milestone, and on into the new year, with whatever it shall bring.

C. W. Canfield.

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ECLIPSES IN 1888.

In the year 1888 there will be five eclipses, three of the Sun and two of the Moon.

- I.—*A Total Eclipse of the Moon*, January 28, visible at Washington and generally throughout North and South America, Europe, Asia, and Africa.
 II.—*A Partial Eclipse of the Sun*, February 11, invisible at Washington.
 III.—*A Partial Eclipse of the Sun*, July 8, invisible at Washington.
 IV.—*A Total Eclipse of the Moon*, July 22, visible at Washington and generally throughout North and South America.
 V.—*A Partial Eclipse of the Sun*, August 7, invisible at Washington.

THE SEASONS.

SPRING begins. March 20, 5 a. m. | AUTUMN begins. Sept. 22, 4 p. m.
 SUMMER begins. June 21, 1 a. m. | WINTER begins. Dec. 21, 10 a. m.

CHURCH DAYS.

Septuagesima.	Jan. 29	Easter Sunday.	April 1
Sexagesima.	Feb. 5	Rogation Sunday.	May 6
Quinquagesima.	" 12	Ascension Day.	" 10
Ash Wednesday.	" 15	Whitsunday.	" 20
Quadragesima.	" 19	Trinity Sunday.	" 27
Palm Sunday.	March 25	Corpus Christi.	" 31
Good Friday.	" 30	Advent Sunday.	Dec. 2

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CHRONOLOGICAL ERAS.

THE YEAR 1888, WHICH COMPRISES THE LATTER PART OF THE 112TH AND THE BEGINNING OF THE 113TH YEAR OF THE INDEPENDENCE OF THE UNITED STATES OF AMERICA, CORRESPONDS TO—

The year 7396-97 of the Byzantine era, the year 7397 commencing on September 1st ;

The year 5648-49 of the Jewish era, the year 5649 commencing on September 6th, or, more exactly, at sunset on September 5th ;

The year 2641 since the foundation of Rome, according to VARRO ;

The year 2635 since the beginning of the era of NABONASSAR ;

The year 2664 of the Olympiads ;

The year 2200 of the Grecian era, or the era of the Seleucidæ ;

The year 1604 of the era of DIOCLETIAN ;

The year 2548 of the Japanese era and to the 21st year of the period entitled "Meiji."

The year 1306 of the Mohammedan era, or the era of the Hegira, begins on the 7th day of September, 1888.

The first day of January of the year 1888 is the 2,410,638th day since the commencement of the Julian Period.



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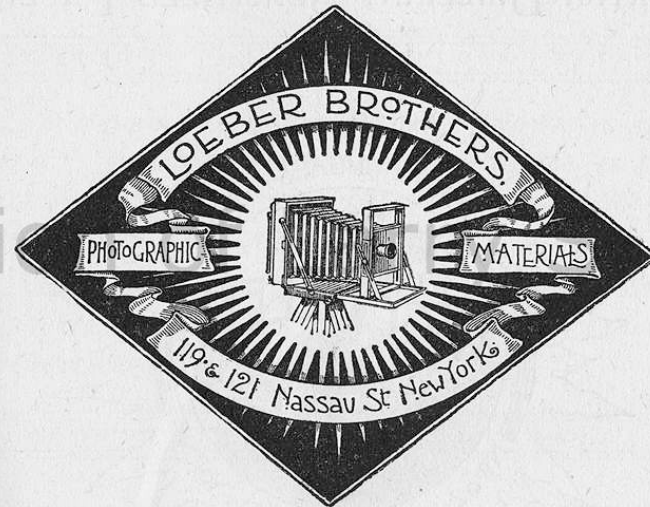
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FROM THE PACIFIC COAST.

SAN FRANCISCO, May 11th, 1887.

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Very truly yours,

A. J. TREAT,
Vice-Pres't Pacific Coast A. P. A.

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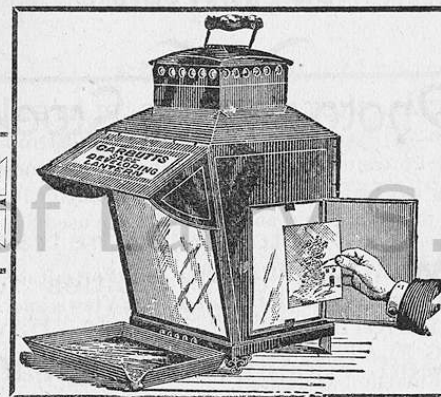
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LANTERN,

PLATE

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Lantern arranged for developing, and, after fixing, examining negatives by opal light.

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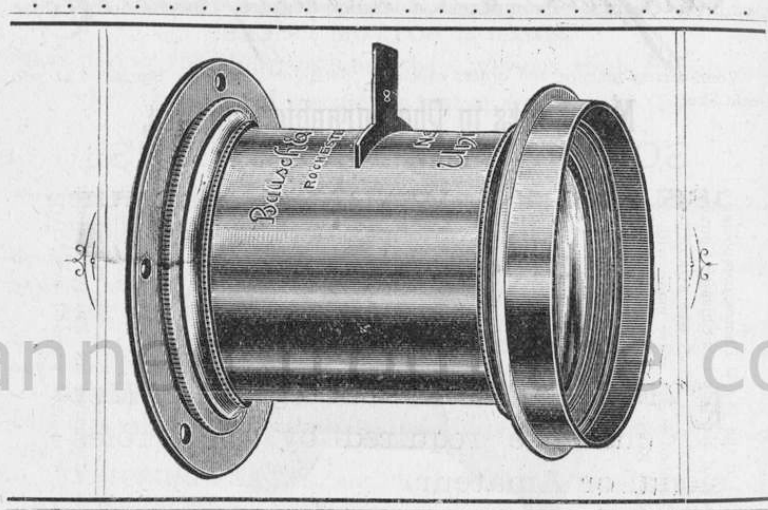
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THE "UNIVERSAL" LENSES ARE THE RESULT OF THE AMERICAN SKILL AND ENTERPRISE; ARE FULLY EQUAL TO THE BEST IN THE MARKET WITHOUT ANY EXCEPTION. EVERY LENS GUARANTEED. COMPARISONS INVITED.

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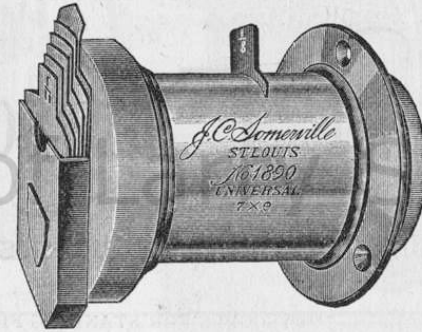
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3	2 1-8	13 3-4	8 x 10	40 00
4	2 7-16	15 3-4	10 x 12	50 00
5	2 11-16	20 1-2	12 x 15	60 00
6	3 3-16	25 3-4	16 x 20	75 00
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A full set of six stops, numbered according to the method adopted by the Photo Society of Great Britain, accompanies each Lens.

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A WIDE-ANGLE LENS for Interior, Architectural, and General Landscape Work;

Has an aperture of f-8; cuts sharp with the full opening, and is perfectly rectilinear. It is
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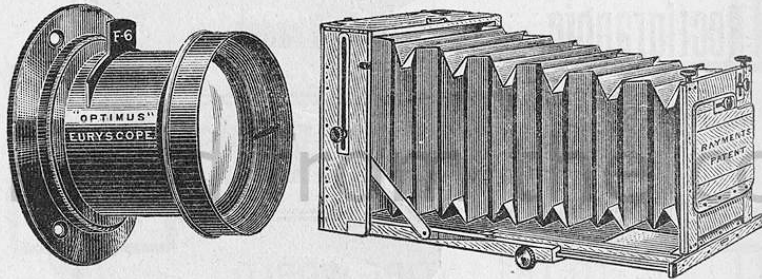
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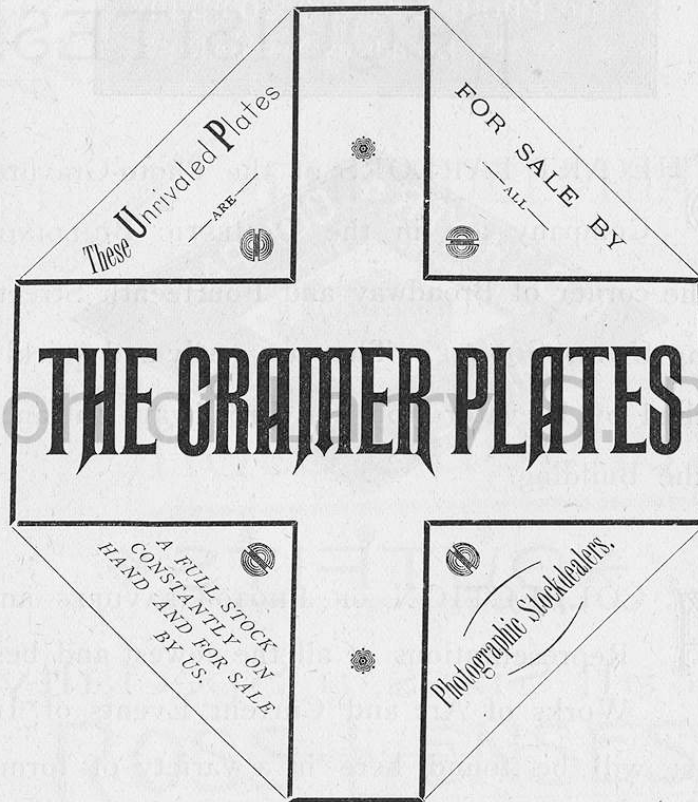
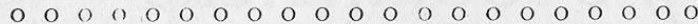
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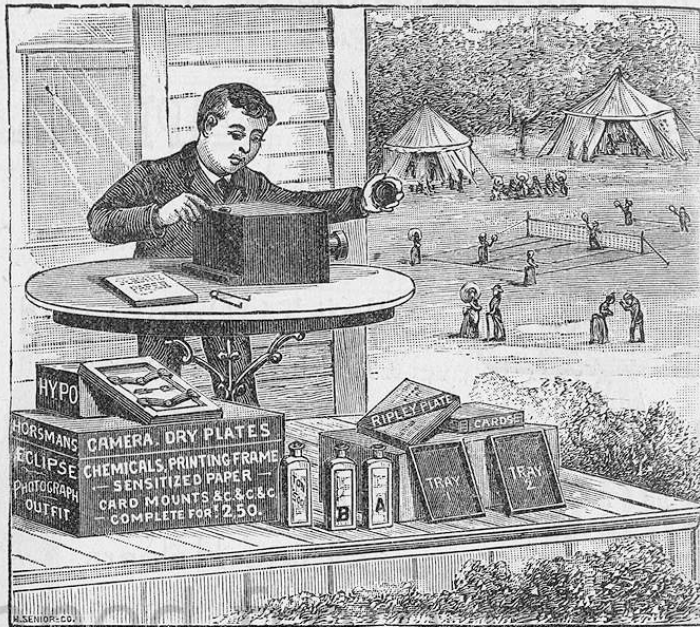


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A Child 10 Years Old can make a Picture.

It consists of a beautiful little Camera, covered in IMITATION MOROCCO, and will make a photograph $3\frac{1}{4} \times 4\frac{1}{4}$ inches in size, and is provided with a "RAPID WIDE-ANGLE LENS."

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To all who send us 40 names as above, we will give an Edson Electra Stylographic Pen.

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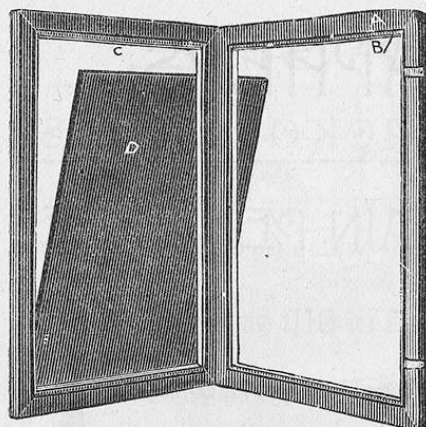
Safe Fountain Pen, (without names),	\$0.50
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ALL WHO ACCEPT OUR OFFER send us 8 cents to cover cost of Mailing etc., offer good for only 30 days.

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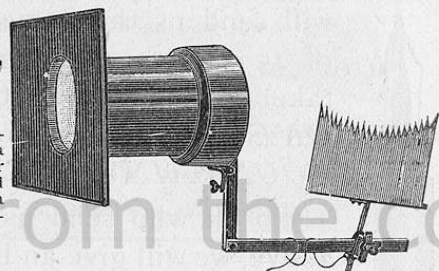
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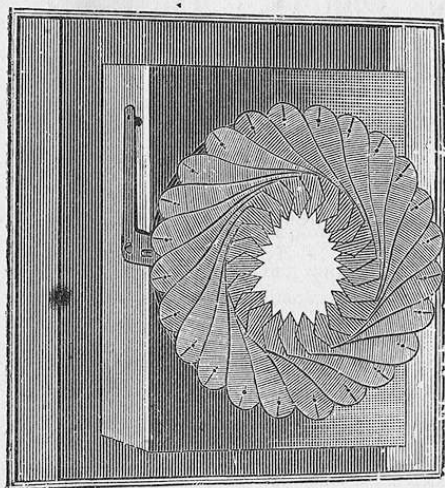
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There is no more trouble or expense than in making plain photographs.

It is easily attached to any Camera, by fastening it on the inside of diaphragm of box (as shown in cut above). The opening can be regulated to the proper size by simply moving the lever to or from you. Focus and expose as usual. Every one guaranteed.

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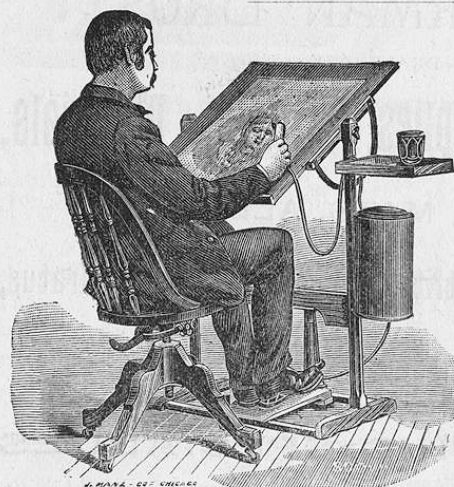
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LABEL REGISTERED, 1885.

THIS new holder has the following advantages over all previous patterns: A Reduction in Weight, a Reduction in Size, a Reduction in Number of Parts, a Reduction in Price.

The metal inside frame has been dispensed with and the working parts attached directly to the wood case, which has been strengthened to bear the strain, the result being a stronger, simpler and cheaper Holder, less liable to get out of repair.

Figure 1 shows the Holder closed.

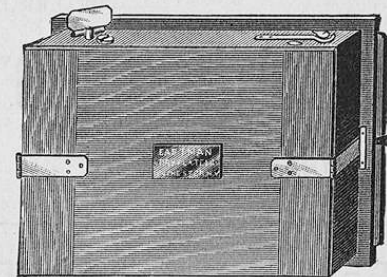


FIG. 1.—Model of 1887.
Patented May 5, 1885; other patents applied for.

FIGURE 2 shows the cover removed and the case detached from the shutter frame.

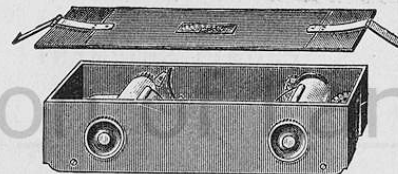


FIG. 3.

FIGURE 3 is a sectional view of the Holder loaded with the spool of film.



FIG. 2.

PRICES OF MODEL OF 1887 ROLL HOLDERS.

Size.	Price.	Size.	Price.	Size.	Price.
3 1/4 x 4 1/4	\$ 9 00	4 3/4 x 6 1/2	\$12 50	6 1/2 x 8 1/2	\$16 00
4 x 5	10 00	5 x 7	12 50	8 x 10	20 00
4 1/4 x 5 1/2	10 00	5 x 8	12 50	10 x 12	24 00
4 1/4 x 6 1/2	10 00				

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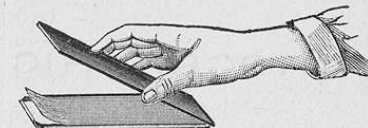
Size.	Price.	Size.	Price.
9 x 12 cm	\$ 9 00	18 x 24 cm	\$16 00
13 x 18 "	12 50	21 x 27 "	20 00

All fitted with the new single revolution audible indicator.

FILM CARRIERS.

FILM CARRIERS are used to expose single sheets of American Film in ordinary double slides, they are made in all sizes and can be used in any camera.

The Carrier consists of a light metal frame which clamps the edges of the cut sheet of film flat against a thin board. The device is simple and effective, and is recommended for trial where the expense of a roll holder is an objection.



PRICES OF FILM CARRIERS.

PATENTED MAY 5, 1885.

	$\frac{3}{8}$ in. thick.	$\frac{1}{2}$ in. thick.	$\frac{5}{8}$ in. thick.		$\frac{3}{8}$ in. thick.	$\frac{1}{2}$ in. thick.	$\frac{5}{8}$ in. thick.
3 $\frac{1}{4}$ x 4 $\frac{1}{4}$	\$0 25	\$0 25	—	10 x 12	—	—	\$0 60
4 x 5	30	30	—	11 x 14	—	—	75
4 $\frac{1}{4}$ x 6 $\frac{1}{4}$	30	—	—	14 x 17	—	—	1 00
5 x 7	35	—	35	FRENCH AND GERMAN SIZES.			
5 x 7 $\frac{1}{2}$	35	—	—	9 x 12	—	25	—
5 x 8	35	35	35	13 x 18	—	35	—
6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	40	40	40	18 x 24	—	50	—
8 x 10	50	50	50	21 x 27	—	50	—

Sizes not mentioned are not made and cannot be furnished.
In ordering carriers specify which thickness is wanted. The thicker the carrier the more rigid.
Double Holders that have the plate slide in from the end require the thinnest carrier. (3-32).
Holders of the "book" form will take the $\frac{1}{2}$ inch carriers when the septum is removed. As the carriers are opaque, the septum is not required.
Wet Plate Holders require the 3-16 carriers.

Prices of Eastman's American Films.

PATENTED OCTOBER 14, 1884.
CUT SHEETS.

SIZE.	PER PKG.	SIZE.	PER PKG.
3 $\frac{1}{4}$ x 4 $\frac{1}{4}$ —2 dozen Package,	\$0 70	10 x 12—1 dozen Package,	\$3 00
4 x 5 " " "	1 00	11 x 14 " " "	4 00
4 $\frac{1}{4}$ x 6 $\frac{1}{2}$ " " "	1 50	FRENCH AND GERMAN SIZES.	
5 x 7 " " "	1 75	9 x 12 cm, 2 dozen Packages,	\$0 75
5 x 7 $\frac{1}{2}$ " " "	1 90	13 x 18 " " "	1 75
5 x 8 " " "	2 00	18 x 24 " " "	3 60
6 $\frac{1}{2}$ x 8 $\frac{1}{2}$ " " "	2 80	21 x 27 " " "	4 60
8 x 10 " " "	4 00		

Other sizes in proportion.

ON PATENT SPOOLS TO FIT THE EASTMAN-WALKER ROLL HOLDER.

SIZE.	PRICE.	SIZE.	PRICE.
3 $\frac{1}{4}$ in. for 24 3 $\frac{1}{4}$ x 4 $\frac{1}{4}$ Expos.	\$0 85	10 in. for 24 10 x 12 Expos.	\$6 75
4 " " 4 x 5 " "	1 10	11 " " 11 x 14 " "	9 00
4 $\frac{1}{4}$ " " 4 $\frac{1}{4}$ x 6 $\frac{1}{2}$ " "	1 55	SPOOLS FOR FRENCH & GERMAN SIZES.	
4 $\frac{1}{2}$ " " 4 $\frac{1}{2}$ x 7 $\frac{1}{2}$ " "	2 00	9 cm. for 24 Expos.	9 x 12 cm, \$0 90
4 $\frac{3}{4}$ " " 4 $\frac{3}{4}$ x 6 $\frac{3}{4}$ " "	1 75	13 " " 27 " "	13 x 18 " " 2 20
5 " " 5 x 8 " "	2 20	18 " " 24 " "	18 x 24 " " 4 00
6 $\frac{1}{2}$ " " 6 $\frac{1}{2}$ x 8 $\frac{1}{2}$ " "	3 00	21 " " 24 " "	21 x 27 " " 5 30
8 " " 8 x 10 " "	4 50		

Prices of Gelatine Skins.

SIZE.	PER PKG.	SIZE.	PER PKG.
3 $\frac{1}{4}$ x 4 $\frac{1}{4}$ —2 doz. in pkg.,	\$0 20	11 x 14 -1 doz. in pkg.,	\$1 00
4 x 5 " " "	25	14 x 17 " " "	1 50
4 $\frac{1}{4}$ x 5 $\frac{1}{4}$ " " "	30	16 x 20 " " "	2 00
4 $\frac{1}{2}$ x 6 $\frac{1}{2}$ " " "	35	18 x 22 " " "	2 50
4 $\frac{3}{4}$ x 6 $\frac{3}{4}$ " " "	40	20 x 24 " " "	3 00
5 x 7 " " "	40	24 x 30 " " "	4 00
5 x 7 $\frac{1}{2}$ " " "	50	FRENCH AND GERMAN SIZES.	
5 x 8 " " "	50	9 x 12 cm.	\$0 25
6 $\frac{1}{2}$ x 8 $\frac{1}{2}$ " " "	70	13 x 18 " " "	40
8 x 10 " " "	1 00	18 x 24 " " "	1 00
10 x 12—1 doz. in pkg.,	75	21 x 27 " " "	1 30

Eastman's Gelatine Skins are made especially for use with American Films, and no others should be used.

Plain Collodion.

Fifty cents per 8 ounce bottle.

Rubber Solution.

Twenty-five cents per eight oz. bottle.

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
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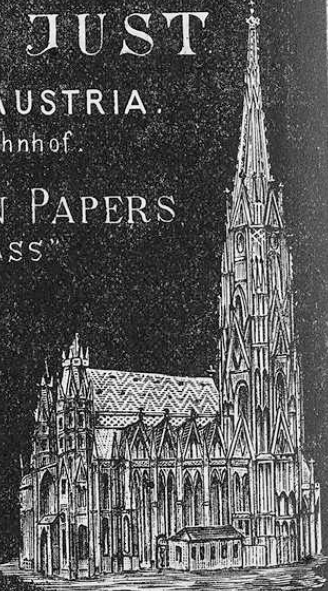
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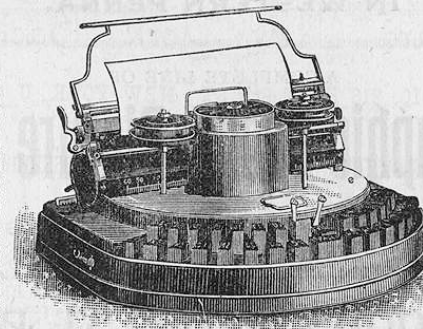
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4 1/4 x 6 1/2	... 33	10 x 14	... 1 60	22 x 27	... 7 00
4 3/4 x 6 1/2	... 35	11 x 14	... 1 80	24 x 30	... 8 25
5 x 7	... 40	12 x 15	... 2 00	25 x 30	... 8 50
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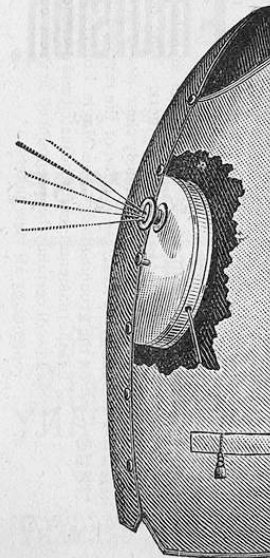
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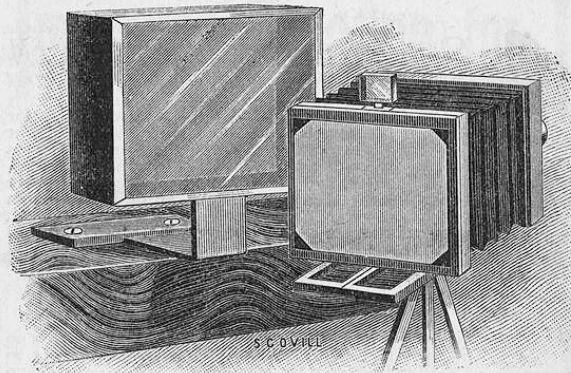
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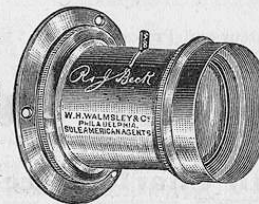
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Albumized Paper and Dry Plates of all manufacturers. A full line of Chemical and Scientific Glassware kept in stock. Price Lists on application. Correspondence solicited. Special quotations on Original Packages. Physicians' Prescriptions and Recipes of all kinds prepared by competent Pharmacists.

57, 59 & 61 W. Houston, and 166 Wooster Streets, New York City.

French, German, Spanish and Italian spoken.

G. E. PELLNITZ,

— DEALER IN —

PHOTOGRAPHIC MATERIALS,

249 CENTRE STREET,

Near Broome Street.

✧ NEW YORK.

The choicest brands of Albumen Paper and Dry Plates. A complete assortment of Card Stock and Pure Chemicals always on hand.

E. WEISKOPF,

New Haven Freight Building,

FRANKLIN ST., 4 doors West of Centre,

NEW YORK CITY.

✧ SPECIALTIES: ✧

Condensers for the New Process by Magnesium,

— ALSO, —

CONDENSERS FOR ALL PURPOSES.

1849.

SCHINDLER'S

1888.

PICTURESQUE AND EASY POSING CHAIRS,

Decorative, Art and Medium Studio Furniture, Accessories, Novelties.

The most popular and best adapted. Beware of counterfeits. Illustrated Price List on application.

C. A. SCHINDLER,

Box 63.

WEST HOBOKEN, N. J.

JOHN H. DALL,

PHOTOGRAPHIC SUPPLIES

OF EVERY DESCRIPTION,

618 AND 620 CLAY STREET,

SAN FRANCISCO, CAL.

GROSSKLAUS & RICKSECKER,

— DEALERS IN —

Photographic Supplies,

DRY PLATES, ALBUMEN PAPER, CARD STOCK, FINE CHEMICALS,
LENSES, APPARATUS, AMATEUR OUTFITS, ACCESSORIES, ETC.

OF EVERY DESCRIPTION.

PRICES ALWAYS AS LOW AS ANY RESPONSIBLE HOUSE CAN SELL.

NAVARRÉ, STARK CO., OHIO

SWEET, WALLACH & CO.,

Photographers' Supplies,

229 AND 231 STATE ST., CHICAGO.

USE ONLY THE BEST.



THE LEADING

Dry Plate Manufacturers
and Dry Plate Workers,
USE IT EXCLUSIVELY.

For Sale by all Dealers in Photographic Goods.

A NEW PHOTOGRAPHIC PAPER.

Eastman's Transferotype Paper.

PATENTED OCTOBER 14th, 1884.

For making Bromide of Silver Positives, transferable to Opal Glass, Placques, Tiles, Lamp Shades, Canvas, Lantern Slides, Window Transparencies, Engravers' Blocks, etc., etc.

Contact or enlarged prints are made upon this paper in precisely the same manner as upon the well known "permanent Bromide Paper" (the same emulsion being used for both). After washing, the print is laid face down upon the object to which it is desired to transfer the picture; after drying under pressure, the paper is removed by the application of hot water, leaving the print upon the object where it was dried. The operation is simple, easy, and certain, and the results **surpassingly beautiful**.

By this process opals, window and lantern transparencies, can be made with less trouble and cost than by any known process. Send for circulars. Sample print ready to transfer, six cents, stamps.

THE EASTMAN DRY PLATE AND FILM CO.,

ROCHESTER, N. Y.

Photographic Books

WANTED.

Send lists with price of any works on Photography in French, German, or English.

PHOTOGRAPHIC BOOKS FOR SALE OR EXCHANGE.

MOSAICS, '66, '67, '70, to '84.

B. J. ALMANAC, '78, '81, '82.

YEAR BOOK, '68, '70 to '75, '77 to '82.

Several volumes and numbers of the "Times," "Philadelphia Photographer," "Bulletin," "Western Photographic News," "Photographic World," etc., etc.

C. W. CANFIELD,

1321 BROADWAY, NEW YORK.

THE AMERICAN OPTICAL COMPANY'S APPARATUS,

INCLUDING ALL STYLES OF

Cameras; Enlarging, Reducing, Copying and Multiplying Boxes; Tripods; Plate-Holders, for Wet or Dry-Plates; Printing Frames; Amateur Outfits, etc., etc., has long been

UNRIVALED FOR BEAUTY OF DESIGN,
UNEQUALED FOR DURABILITY OF CONSTRUCTION,

—AND—

UNAPPROACHED FOR FINENESS OF FINISH.

THEY ALWAYS GIVE UNQUALIFIED SATISFACTION.

FOR SALE BY ALL

Reputable Photographic Dealers,

AND BY THE

SCOVILL MANUFACTURING CO.,

423 BROOME STREET,

NEW YORK.

W. IRVING ADAMS, Agent.

Send for Latest Catalogue.

liv

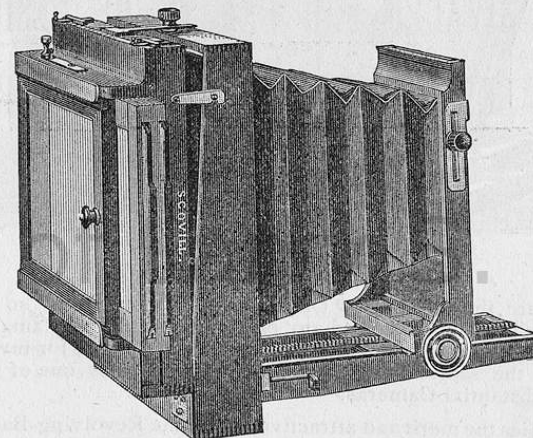
ST. LOUIS REVERSIBLE BACK CAMERAS.

(PATENTED.)

Made by AMERICAN OPTICAL CO.,

IN addition to the desirable features which the Back Focus Reversible Camera possesses (see description below) the St. Louis Reversible-Back Cameras have the rack and pinion movement, *patent latch* for making the bed rigid instantaneously, and the ground-glass so arranged that the holder may be slid in front of it, as shown in the illustration.

Each Camera is supplied with one Daisy Holder with *patent Registering Slides* and canvas case.



THE growing use of dry plates, and the desire for rapid exposures, led to the introduction of the American Optical Patented Reversible Back Cameras, and because they add to the grace and celerity of view-taking they have become vastly popular. A novel arrangement of a detachable carriage at the back combines such a multiplicity of adjustments in itself that a dry-plate holder may be reversed or be set for either an 8x10 upright or horizontal picture—all of these movements, without once changing the dry-plate holder in the carriage.

SAINT LOUIS REVERSIBLE-BACK CAMERAS.

For View.	Fitted with Eastman-Walker Roll Holder. New Model with Automatic Tally.	
	Single Swing-back.	Double Swing-back.
4 x5	\$25 00	\$29 00
4 1/4 x 5 1/2	26 00	30 00
4 1/4 x 6 1/2	30 00	34 00
5 x7	32 00	35 00
5 x8	34 00	38 00
6 1/2 x 8 1/2	36 00	40 00
8 x10	40 00	44 00
11 x14	60 00	64 00

Fitted with Eastman-Walker Roll Holder.
New Model with Automatic Tally.

Single Swing-back.	Double Swing-back.
.....
.....
.....
\$52 00	\$55 00
54 00	58 00
60 00	64 00
70 00	74 00
102 00	106 00

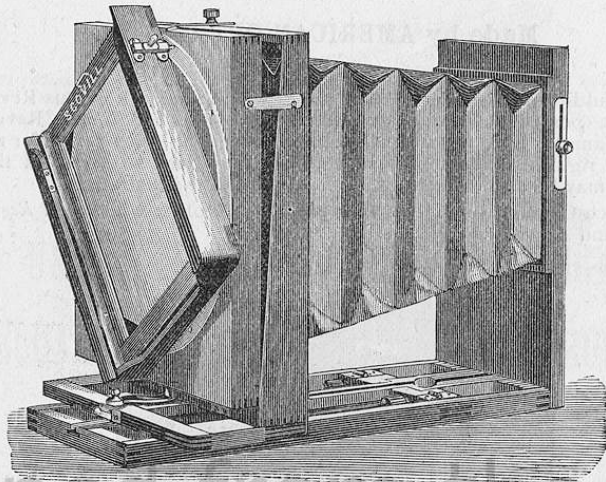
Not made above 11x14 size.

lv

Revolving-Back Cameras.

(PATENTED.)

Each Incased in a Canvas Bag, with Handle.



(BACK FOCUS PATTERN.)

"These are the finest View Cameras ever constructed," so says every photographer who has examined any of them, and this exclamation is not merely a tribute to the beauty and grace of their design, for invariably the desire has at the same time been expressed to possess one of these truly novel and substantial Cameras.

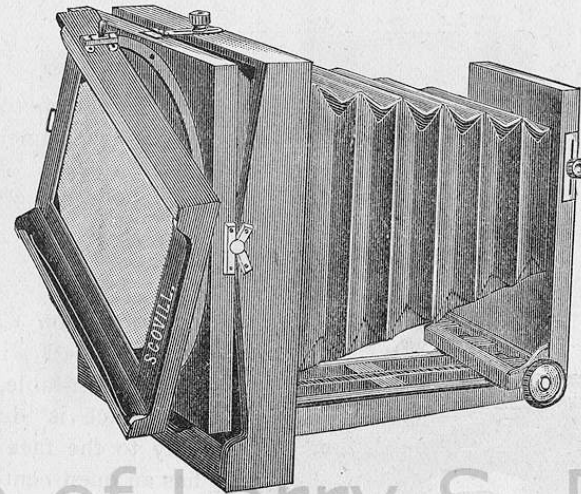
Wherein lies the merit and attractiveness of the Revolving-Back Camera, that photographers want to cast aside cameras now in use and procure one of this new pattern? Briefly stated, it enables the view taker to secure either an upright or a horizontal picture without changing the plate holder after it has been slid into the carriage. No other camera can with such wondrous ease and celerity be changed from the vertical to the upright or *vice versa*. The carriage is simply turned about in the circle and automatically fastened. By this latter provision the carriage may be secured at either quarter of the circle. Ordinarily, the slide will be drawn out of the holder to the right; but in certain confined situations, the ability to withdraw the slide to the left enables the photographer to obtain a view which he could not get with the usual provision in a camera. The photographer of experience is well aware of the difficulty, when taking an upright picture with a large camera without the revolving back feature, of reaching up to draw out the slide at the top, and, what is more essential, of getting out the slide without fogging the plate in the holder.

Grace and strength are combined in the Revolving-Back Camera, and its highly-desirable features are gained without the sacrifice of steadiness or any other essential principle in a good camera. Indeed, its merit is such that out-door photography has been advanced and made more attractive by its introduction.

For a more detailed description, consult Scovill's General Catalogue.

REVOLVING-BACK CAMERA.

(PATENTED.)



(FRONT FOCUS PATTERN.)

PRICE LIST.

Revolving-back Cameras, each incased in a canvas bag, with handle, and above 17x20 size, with two handles.

	REVERSIBLE.	Single Swing.		Double Swing-back.	
		Single Swing.	Double Swing.	Single Swing.	Double Swing-back.
550A.	For View 4 x 5 in	\$31 00	\$36 00	\$46 00	\$51 00
551.	" 4 1/4 x 5 1/2 "	33 00	38 00
551AB.	" 4 1/4 x 6 1/2 "	34 00	39 00
551A.	" 5 x 7 "	35 00	40 00	55 00	60 00
551B	" 5 x 8 "	35 00	40 00	55 00	60 00
552.	" 6 1/2 x 8 1/2 "	45 00	50 00	69 00	74 00
553.	" 8 x 10 "	50 00	55 00	80 00	85 00
554.	" 10 x 12 "	65 00	70 00	101 00	106 00
555.	" 11 x 14 "	77 50	82 50	119 50	124 50
556	" 14 x 17 "	90 00	95 00	140 00	145 00
557.	" 17 x 20 "	105 00	110 00	170 00	175 00
557A.	" 18 x 22 "	110 00	115 00	185 00	190 00
558.	" 20 x 24 "	120 00	130 00	200 00	210 00
559.	" 25 x 30 "	165 00	175 00

Fitted with Eastman-Walker Roll Holder New Model, with Automatic Tally.

These Cameras are fitted with Daisy Dry-plate Holders.

Please state, when ordering any size below 10x12, whether front or back focus is desired.

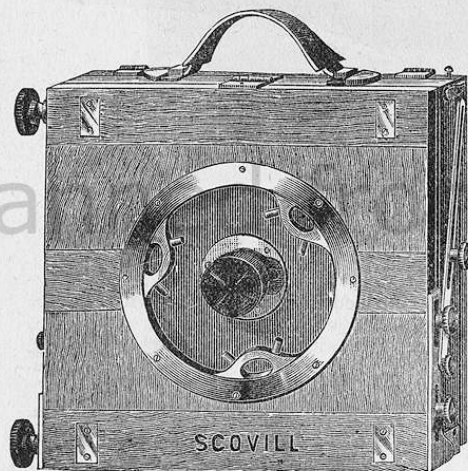
Revolving-back Cameras, with front focus not made above 8x10 size.

Albion Cameras.



THE following illustrations and description are given to assist in determining the choice of those who want a camera that is "quite English, you know."

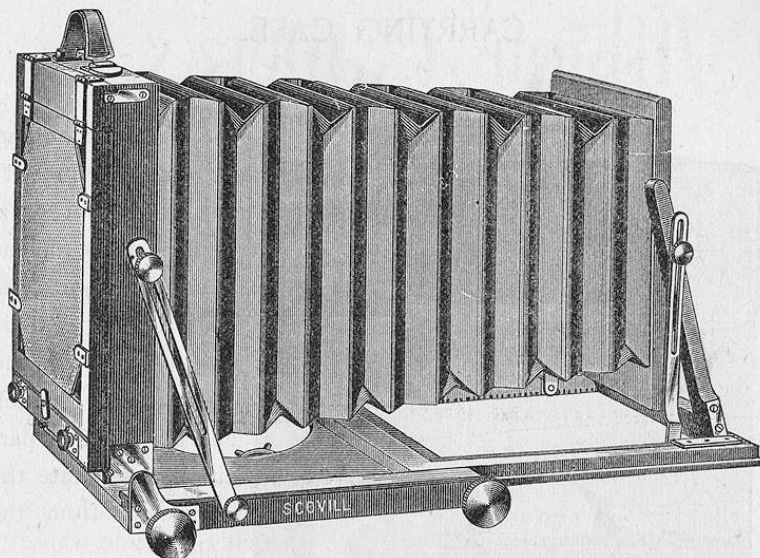
TURN-TABLE.



CAMERA OUT OF CASE.

they do not become clogged at any time—a defect in all imported cameras. There is also no need of a regulator or fastener for this turn-table. In whatever direction the camera is turned it remains until moved by the photographer. The extreme accuracy and nicety of the working of the Scovill turn-table can only be fairly appreciated when tried.

COMPACTNESS. Before passing from the Scovill turn-table, it is well to bear in mind that serving as a tripod top, it does away with the necessity of any other, and the bothersome tripod screw. In the highest degree, compatible with the requisite strength, the Albion Camera is compact and portable.



CAMERA EXTENDED.

The cut showing the Albion Camera partly folded, and the one showing the great length of platform when the extension bed is fully drawn out, really make extended comment unnecessary, but it will not do to pass by so lightly the DOUBLE PLATE HOLDERS fitted to the Albion Camera. All of the imported English holders (double backs, "you know"), warp when subjected to the severe test of our climate, and the slides refuse, without provocation, to move.

We have not or do not propose to imitate them, but, fit the Albion Cameras with double holders, which we guarantee not to warp, and we put in them our patent Registering (Record) Slides.

The marked superiority of the Albion Cameras over any and all styles of English make will be more apparent on examination, or, better still, through using one of them.

CARRYING CASE.



CANVAS BAG FOR CAMERA.



TRIPOD.

ALBION TRIPOD. While folding compactly, as here shown, the Albion Tripod is readily extended and firm enough to support, without vibration, a 10x12 view camera. The binding straps are attached to one of the legs, so that they are always there when wanted.

The Albion Camera has a double swing-back and a single swing-front, and, when used with the SHIFTING FRONT, the extreme possibility of tilting is attained. The tallest towers must come down to the ground-glass screen, which, in common with all cameras of the English pattern, is hinged so that it may throw over the top of the camera or behind the holder when that is in use.

A glance at the fine carrying case provided for the Albion Camera is sufficient to convince one of its compactness. This case is lined with the best canton flannel, and has a leather partition to separate the camera from the holder.



CAMERA AND TRIPOD.

PRICE-LIST OF ALBION CAMERAS.

Each with Albion Tripod and Extra Fine Canvas Carrying Case.

5	x	7	Size,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$48	00.
6½	x	8½	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	00.
8	x	10	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	00.

SCOVILL MANUFACTURING CO.,

423 BROOME STREET,

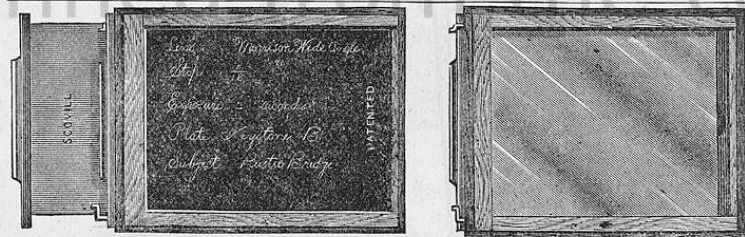
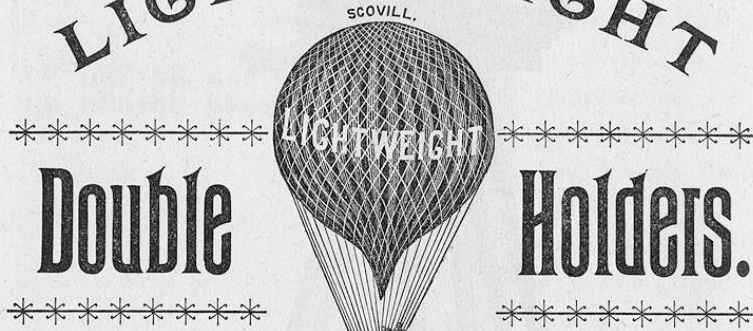
W. IRVING ADAMS, Agent.

New York.

LIGHT WEIGHT HOLDERS CAN BE FITTED TO ANY AMERICAN OPTICAL CO. CAMERA OR SCOVILL OUTFIT.

THE SCOVILL

LIGHT-WEIGHT



SHOWING PATENT REGISTERING SLIDE.

WITH FRONT SLIDE TAKN OUT

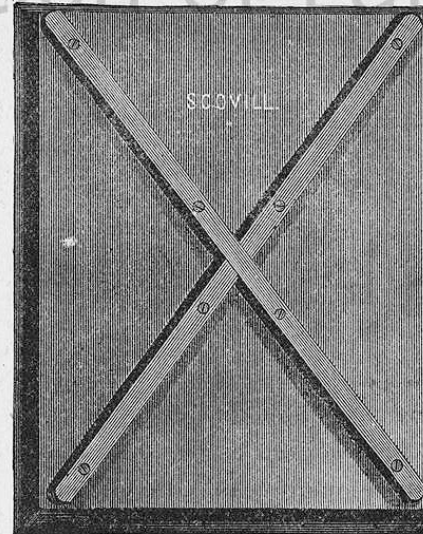
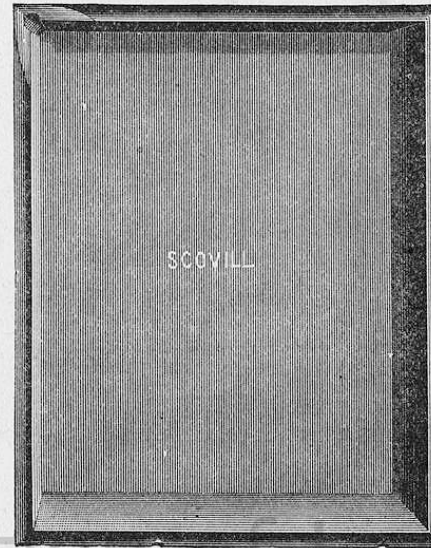
Substantial, serviceable and accurate double holders cannot be made smaller or lighter than the Scovill Light-weight Holders, and though so thin kits may be used in them. The Light-weight Holders yield a negative the full width of the plate, and, what is equally important, the plate may be placed in these holders or removed therefrom without touching the sensitive surface and without danger of breaking it. Observe the means shown in illustration for locking the slides. The Light-weight Holders are made with solid frame so that they will not come apart, leak light, or warp. Every holder has the patent Registering Slides described on the opposite page. Skilled photographers do not consider any holder complete without them. If you want to secure accurate focusing use the Light-weight, or any of the other Scovill Plate Holders. (PATENT APPLIED FOR.)

PRICE LIGHT-WEIGHT DOUBLE HOLDER.

3 1/4 x 4 1/4	\$ 90	5 x 7	\$1 30
4 x 5	1 00	5 1/2 x 7	1 40
4 1/4 x 5 1/2	1 10	5 x 8	1 40
4 1/4 x 6 1/2	1 25	6 1/2 x 8 1/2	1 70
4 3/4 x 6 1/2	1 30	8 x 10	2 00

FOR SILVERING,

The WATERBURY Trays are the BEST and CHEAPEST.



These Trays are made by the

American Optical Co.

which of itself is a guarantee of the superiority of the wood work.

Canvas is not required for the seams, as the bottoms are seamless. The bottom rests on cross-strips—a great improvement, for steadiness, over knobs at the corners, which were liable to be broken off.

THE

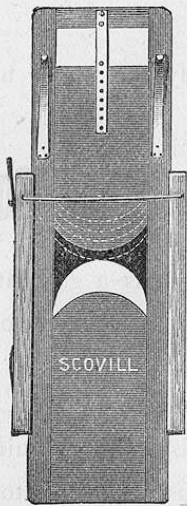
WATERBURY TRAYS

are guaranteed not to warp or crack.

PRICE LIST.

15x19 Waterbury Trays	Each.	\$3 50
19x24 " "		5 00
22x28 " "		6 50
25x30 " "		9 00

Scovill's Universal Safety Shutters.



THIS Shutter is styled Universal, not only because more of the Scovill Safety Shutters are in use than of any other pattern, but because it can be arranged with a variety of openings, from $\frac{1}{4}$ to 2 inches at the center, as shown by the dotted lines of the accompanying illustration. Uniform distribution of light over the plate is insured by the form of opening.

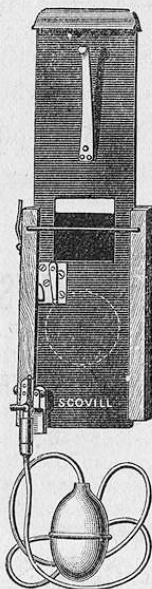
The brakes on this Shutter make it safe to use, by preventing a recoil with the resulting double exposure, and the jarring common to many Shutters, which in time breaks apart the glasses of a Lens where cemented together—

hence the designation "Safety Shutter."

PRICE LIST.

No.	Width of Opening in Slide.	Universal Shutters.	Universal Shutters with Pneumatic Release.	Safety Shutters.	Safety Shutters with Pneumatic Release.
1	$1\frac{1}{4}$ inches	\$2 70	\$4 20	\$1 20	\$2 70
2	$1\frac{1}{2}$ "	2 80	4 30	1 30	2 80
3	$1\frac{3}{4}$ "	2 90	4 40	1 40	2 90
4	2 "	3 00	4 50	1 50	3 00
5	$2\frac{1}{2}$ "	3 10	4 60	1 60	3 10
6	3 "	3 25	4 75	1 75	3 25

When ordering these Shutters, exact diameter of head of Lens should be given, so that the proper circular opening may be cut out to exactly fit hood of Lens. If not stated, the Shutters will be sent without the round opening being cut.

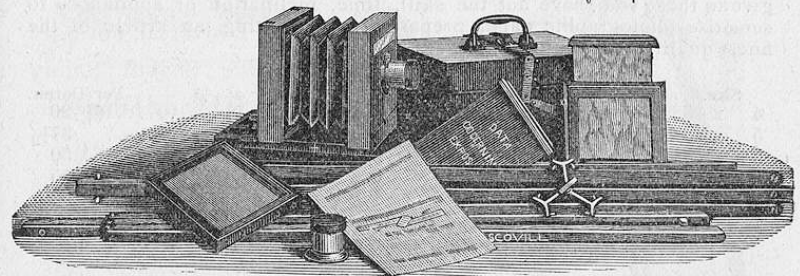


Scovill's Safety Shutter.

SCOVILL MANUFACTURING CO.

Scovill's Favorite Amateur Outfits.

All Articles of which are Warranted Accurate in Every Respect.



These Outfits are lighter, more compact, far handsomer and more accurate than any which are offered at the same price. Many professional photographers have bought them and use them constantly.

In each Outfit the Waterbury Lens is worth the price charged for the entire Outfit.

PRICE LIST.

4 x 5 Favorite Outfit.....	\$10 00	5 x 8 Favorite Stereoscopic Outfit....	\$18 50
5 x 7 ".....	12 00	6 1/2 x 8 1/2 " Outfit.....	14 00
5 x 8 ".....	12 00	8 x 10 ".....	26 00

FAVORITE OUTFITS consist of a Favorite View Camera with vertical shifting front, single swing movement, rubber bellows and folding platform, with patent latch for making bed rigid instantaneously; also, 1 Patent Double Dry Plate Holder (Reversible), with patent Registering Slides, and with Kits; 1 Taylor Improved Folding Tripod, 1 "Waterbury" Achromatic Lens with a set of stops and 1 Carrying Case.

The Improved Bonanza Plate-Holder.

Being the sole agents for the manufacture and sale of the "Bonanza Holder," patented January 19, 1875, we hereby notify all concerned that such holders made by other parties are infringements of said patent, and we will hold all dealers or others having infringing goods in their possession responsible in damages.

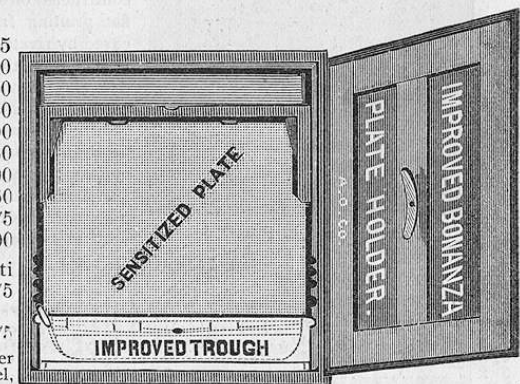
Prices as follows.

1-4.....	\$4 25
1-2.....	6 40
4-4.....	9 60
8 x 10.....	10 50
10 x 12.....	16 00
11 x 14.....	21 50
14 x 17.....	24 00
17 x 20.....	27 50
20 x 24.....	35 75
25 x 30.....	44 00

For 8 x 10 Cincinnati Camera... \$12 75

For Multiplying Camera... \$12 75

Fitted with Eastman-Walker Roll Holder, new model, \$27 00, \$36 50, \$44 00.



SCOVILL MANUFACTURING CO.,

Exclusive Licensees,

NEW YORK.

Scovill's Ready-Sensitized Albumen Paper

This Paper was expressly manufactured for and introduced by us to give to those who have not the skill, time, inclination or appliances to sensitize photographic paper preparatory to printing, an article of the finest quality and of uniform sensitiveness.

PRICE LIST.

Size.	Per Dozen.
4 x 5 inches, in light-tight rolls, 2 dozen.....	\$0 20
5 x 8 " " " " 2 "	37 1/2
6 1/2 x 8 1/2 " " " " 2 "	50
8 x 10 " " " " 2 "	75
18 x 22 " " " " 1 "	3 00

To save loss, Rolls are not broken

Tin Cases, to hold one dozen, 18 x 22 Sensitized Paper, 30c. each.
 " " three " " " " 50c. "

S. P. C. Ferro-Prussiate Paper, FOR MAKING Blue and White Pictures.

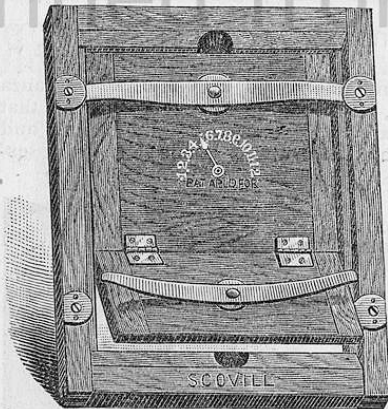
PRICE LIST.

Size.	Per Package.
4 x 5 inches, in light-tight parcels, 2 dozen.....	\$0 28
5 x 8 " " " " 2 "	50
6 1/2 x 8 1/2 " " " " 2 "	67
8 x 10 " " " " 2 "	83

To save loss, Parcels are not broken.

In full Rolls of 11 yards each, 29 inches wide, \$5 00 per Roll.

Scovill Printing Frames.



PATENT APPLIED FOR.

The Scovill Printing Frames are now provided, in all sizes, with the new tally, without addition to the price. Below 5 x 7 size there is room for the tally only where the backs are cut "two-thirds," as shown in the illustration.

The Scovill Printing Frames are made of cherry, and have superior brass springs constructed on scientific principles. On the flat printing frames, these springs are secured by rivets and turn on brass washers, being held at the end by buttons made so that they cannot turn around. They are constructed so that a uniform pressure is obtained, thus insuring perfect contact between the paper and the negative, and removing the danger of breaking the latter.

The back-boards are also so arranged that the progress of the printing may be watched without danger of shifting the paper.

PRICE LIST.

For Plates.	Regular Flat, or Two-thirds.	Deep.	For Plates.	Regular Flat, or Two-thirds.	Deep.
3 1/2 x 4 1/2	\$0 36	\$0 75	13 x 16	\$2 05	\$2 75
4 x 5	38	75	14 x 17	2 45	3 00
4 1/2 x 5 1/2	40	75	16 x 20	4 50	4 75
4 1/2 x 6 1/2	42	85	17 x 20	4 50	4 75
5 x 7	50	95	18 x 22	5 00	5 25
5 x 8	52	95	20 x 24	5 50	5 50
6 1/2 x 8 1/2	60	1 25	24 x 30		9 00
8 x 10	75	1 60	35 x 45		16 00
10 x 12	1 00	2 00	30 x 60*		22 00
11 x 14	2 00	2 50			

When made with backs, to open lengthways, ten per cent. is added to the foregoing prices for the respective sizes.

* Larger or special sizes made to order at short notice.

The Daisy Tripod.

Manufactured by the

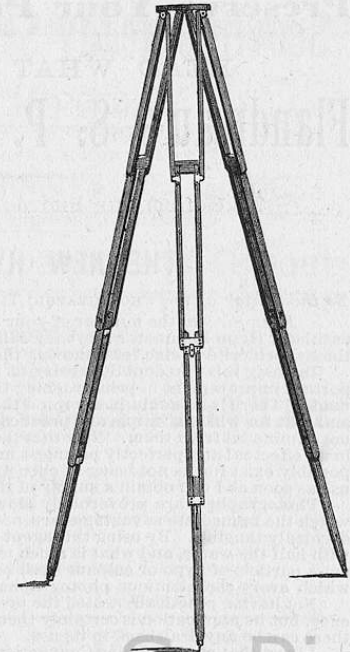
SCOVILL MFG. CO.

An inspection of one of these Tripods will convince the most skeptical that it has no superior for ease of adjustment, lightness and compactness.

Length, when folded, 16 1/2 inches.

Weight, 2 lbs.

Price, \$5.00.



THREE-CROWN ALBUMENIZED PAPER,

Used by MORA, FREDRICKS, ANDERSON, MORENO & LOPEZ, and the leading Photographers of this country.



UNDOUBTEDLY THE BEST ALBUMENIZED PAPER.

THE BEST WORKING, DOES NOT BLISTER.

THE ORIGINAL PENSÉ PAPER,

TRY IT ONCE.

FOR SALE BY ALL DEALERS.

SCOVILL MANUFACTURING COMPANY, Importers.

Preserve Your Prints From Fading!

READ WHAT IS SAID ABOUT Flandreau's S. P. C. Hypo Eliminator.

Taken from THE PHOTOGRAPHIC TIMES of June 3d, 1887.

THE NEW HYPO ELIMINATOR.

To the Editor of the PHOTOGRAPHIC TIMES.

Dear Sir: In the number of your Journal for May 6, appears an editorial article entitled "Hypo Eliminator; do they Eliminate?" in which you strongly recommend the hypochlorite of zinc for removing the last traces of hypo from silver prints.

In doing this you doubtless bring to the attention of photographers the most important improvement in print washing that has been suggested since prints were first made. There is no doubt in my mind that the worst evil pertaining to silver prints, and that for which a simple and practical remedy is most needed, is the hypo that is not eliminated from them. Now that the means for accomplishing this desirable end in an effectual and perfectly harmless manner has been pointed out, what excuse can possibly exist for its not being at once universally adopted? For one, I shall put it to use as soon as I can obtain a supply of the requisite material.

Photographers are proverbially slow in introducing changes in their practice in which the immediate advantages are not tangible or visible. But here is something decidedly tangible. By using this agent the prints may be washed in half the time, with half the water, and what is much more, so thoroughly may the work be done that not a particle of hypo or sulphur shall remain in them. Surely this is an improvement which every conscientious photographer should lose no time in putting into practice.

Not having practically tested the process I do not speak of it from actual experience, but its application is certainly theoretically correct, and it seems impossible that there can be any drawback in its use.

I trust that at the coming Convention the merits of the New Hypo Eliminator will be fully discussed.

Very respectfully,

W. H. SHERMAN.

Flandreau's S. P. C. Hypo Eliminator

— IS A —

HYPOCHLORITE OF ZINC,

Of which the Letter Speaks so Favorably.

IT IS HARMLESS! IT IS EFFECTIVE!

It Saves TIME, PATIENCE, NEGATIVES and PRINTS.

Do not prove the assertion that "PHOTOGRAPHERS ARE PROVERBIALY SLOW IN INTRODUCING CHANGES IN THEIR PRACTICE," by delaying to procure this "most important improvement in print-washing, which has been suggested since prints were first made."

BUY A BOTTLE AT ONCE!

IT COSTS BUT FIFTY CENTS!

And is accompanied by a BOOK OF TEST PAPER, for detecting the slightest trace of Hypo in negative or print.

For sale by all Dealers in Photographic Requisites, and by the

Scovill Manufacturing Company.

lxviii

—*— The Old Reliable Photo. Specialties, are

Waymouth Vignette Papers,

Robinson's Trimmers and Guides,

Gihon's Opaque and Cut-outs.

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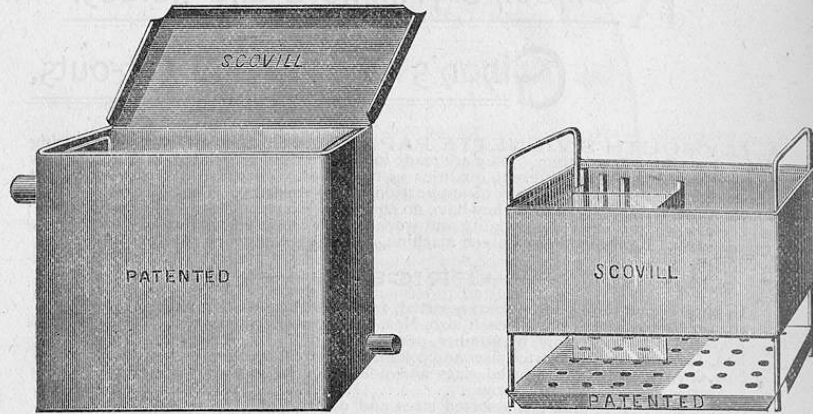
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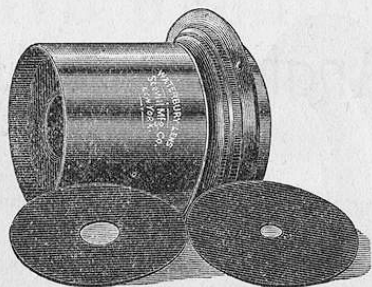
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3...	3 1/4 “	16x18	17x20	21 “	22 “	150 00
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6...	3 “	6x8	8x10	12 “	13 “	60 00

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Diameter of Lens.	Size of Plate, Full Opening.	Size of Plate when Stopped Down.	Focus.	Price.
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1 "	4x 5 "	8x10 "	8 "	35 00
$1\frac{1}{4}$ "	5x 8 "	10x12 "	10 "	40 00
$1\frac{3}{4}$ "	8x10 "	14x17 "	12 "	45 00

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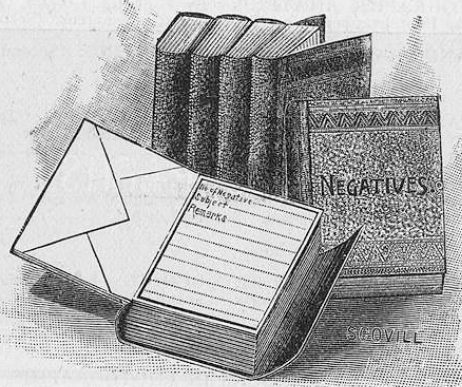
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