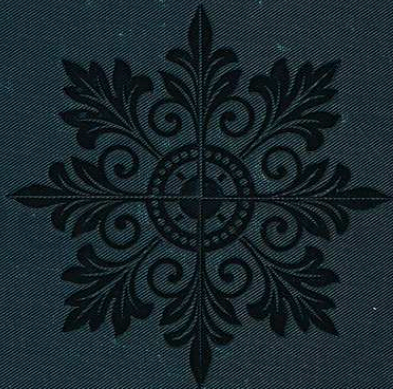
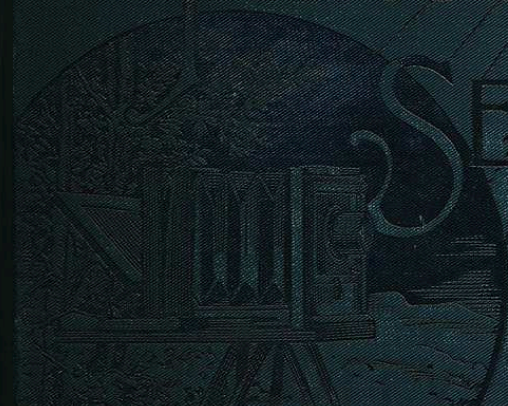


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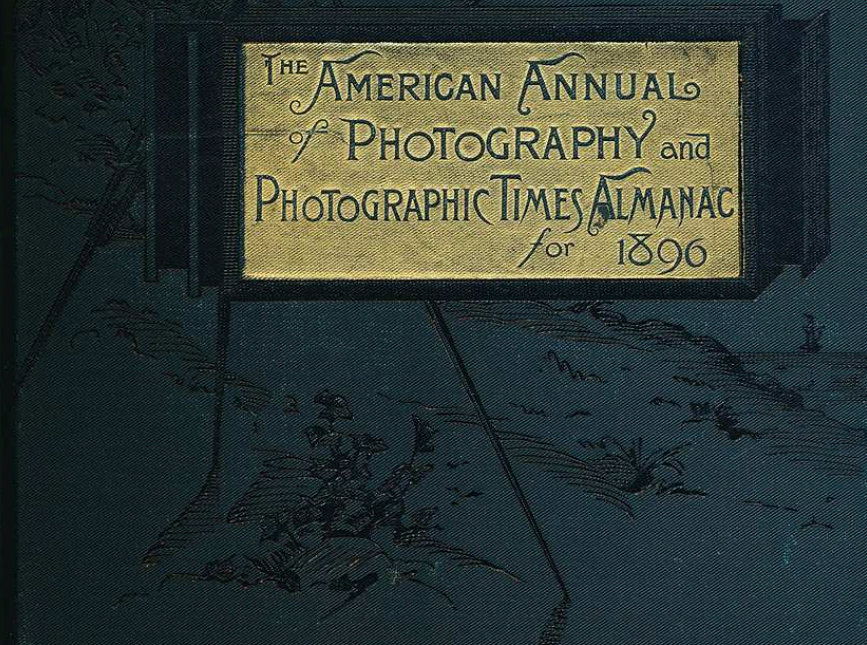


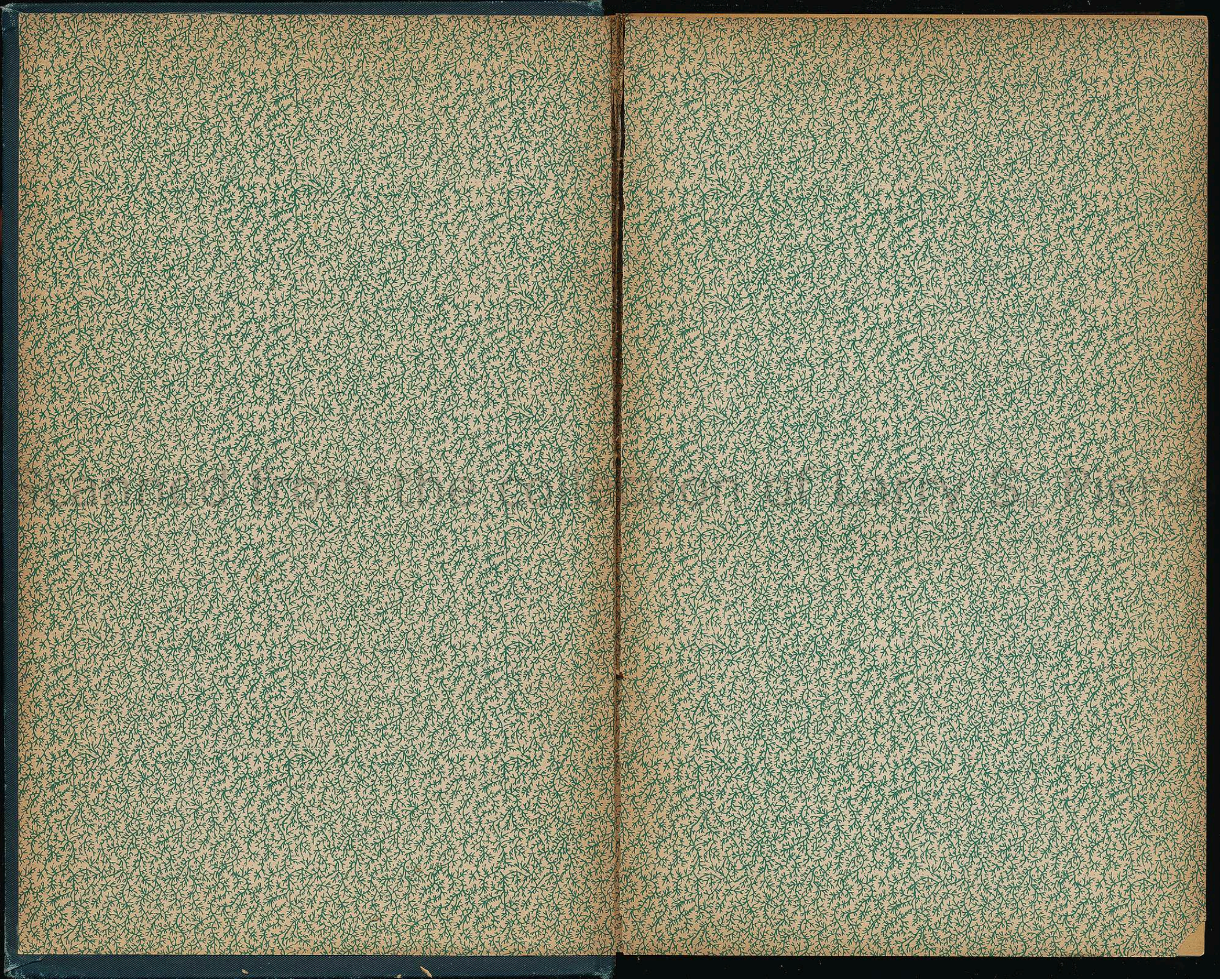
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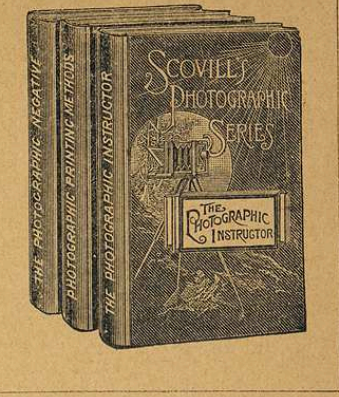
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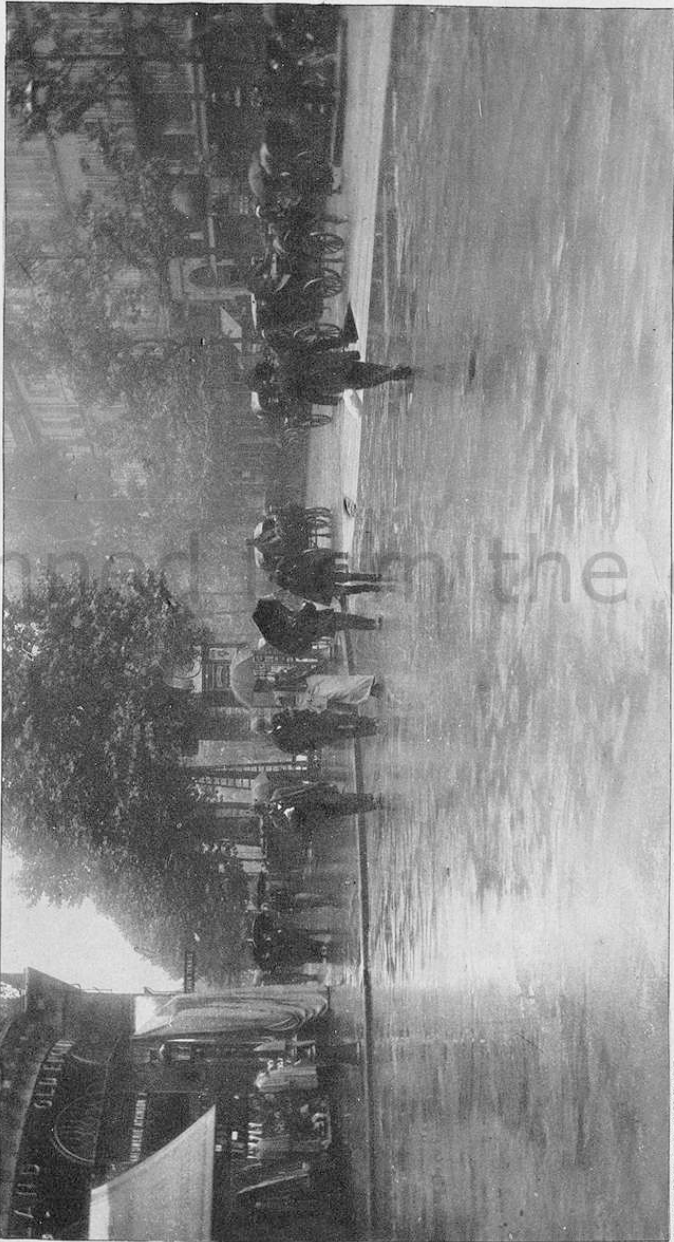
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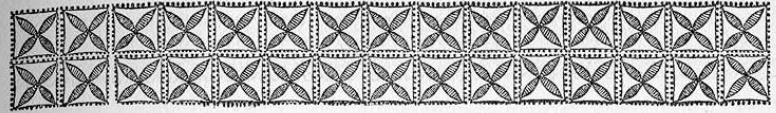
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EDITED BY
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PREFACE.

THE remarkable success which has attended the publication of THE AMERICAN ANNUAL OF PHOTOGRAPHY AND PHOTOGRAPHIC TIMES ALMANAC may, we think, be taken as sufficient evidence of the usefulness of the work. The present volume is the tenth of the series, and, as in previous years, we have endeavored to make it an improvement on the issue preceding. How far we have succeeded in this we leave our readers to judge; we prefer, rather, to utilize this space to express our gratitude to the many kind friends who have so generously done their share in providing us with the excellent articles and the artistic pictures which we have collated here.

The tables and formulæ have been carefully revised and many additional matters of importance, to both amateur and professional photographers, added.

THE EDITOR.

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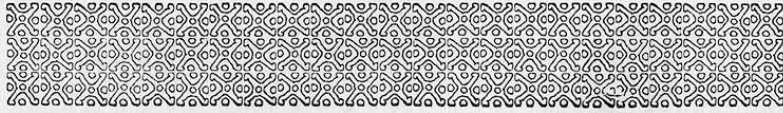


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BY J. F. RYDER.

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EYE OF A SPIDER.

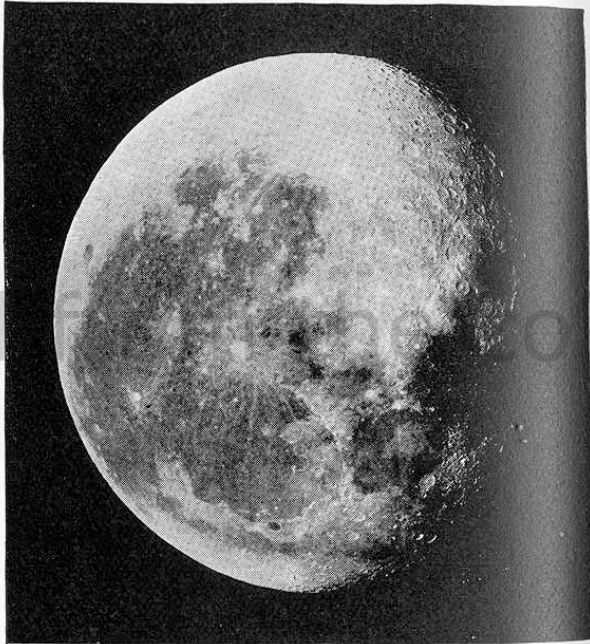
on the subject if you had been a subscriber to the magazine. Do you take any interest in astronomy? Then you should read the excellent articles by Professors Barnard, Holden, Schaeberle and Perrine, which have appeared in *The Photographic Times*, you would then get some idea how photography is made use of at the great observatories. Did you ever see a photograph made by electricity and without light. Very curious is it not, but you might have seen it and known all about it a long while

ago. Each issue we try and include several articles like these, which are not only instructive and interesting, but also aid our readers in learning the possibilities and capabilities of photography.

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Wherever the camera can be placed we tell you about it. Under the sea photographing the mermaids and anemones, or up in the air many thousand feet. We find out all about it and the information we give is reliable. Besides these scientific articles we give interesting papers upon the art side of photography by able writers. Sometimes we take



From The Photographic Times

PORTRAIT OF THE MOON, AGE 18 DAYS, 12 HOURS.

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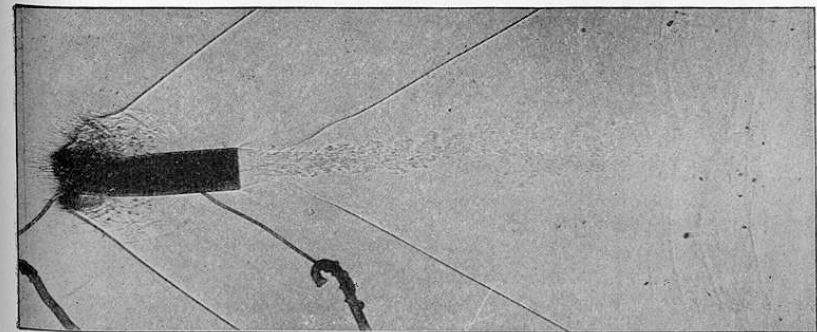
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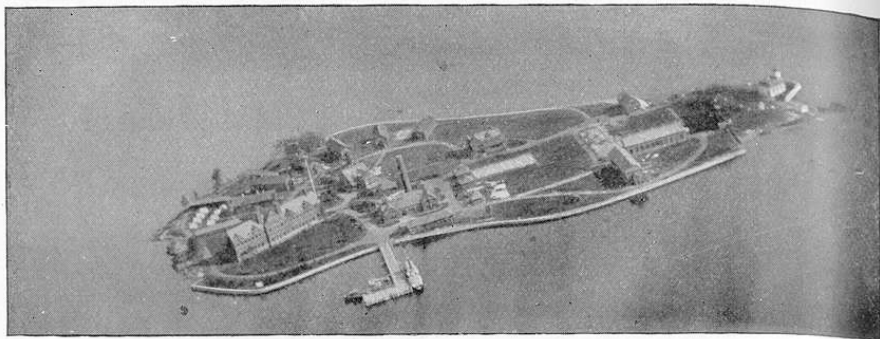


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From The Photographic Times.

PHOTOGRAPHY OF A RIFLE BULLET IN ITS FLIGHT.



From The Photographic Times.

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A PHOTOGRAPHIC FEAT.

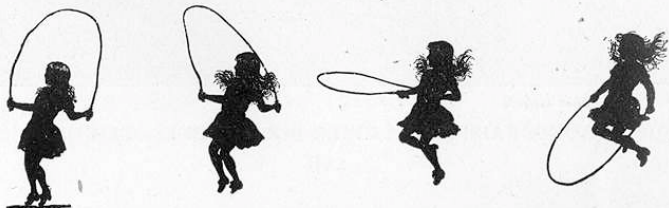
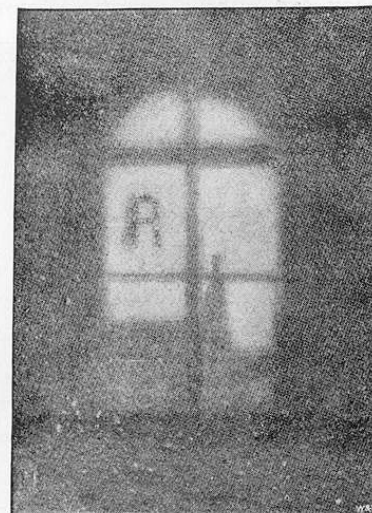


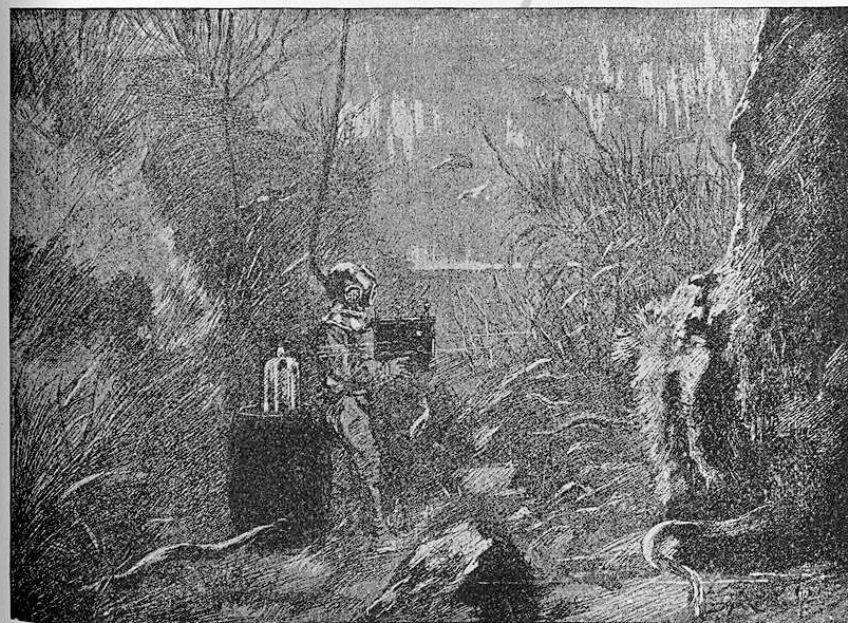
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[See next page.]

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 Superior to _____
Wet Collodion Plates.

JOHN CARBUTT
 MANUFACTURER OF
 Dry Plates, Films
 AND
 PHOTOGRAPHIC SPECIALTIES
 WAYNE JUNCTION
 PHILADELPHIA.

PRICE LIST—PLAIN, ORTHOCHROMATIC AND STRIPPERS.

Sizes.	Per Doz. Plain or Ortho.	Per Doz. Strippers.	No. of Doz. in case.	Sizes.	Per Doz. Plain or Ortho.	Per Doz. Strippers.	No. of Doz. in Case.
3¼ x 4¼	\$0 45	\$0 70	36	6½ x 8½	\$1 65	\$2 20	12
4 x 5	0 65	0 90	36	8 x 10	2 40	3 20	12
4¾ x 6½	1 00	1 25	24	10 x 12	3 80	5 00	4
5 x 7	1 10	1 45	24	11 x 14	5 00	6 65	3
5 x 8	1 25	1 65	24	14 x 17	9 00	12 00	2

CARBUTT'S FLUID STRIPPING MEDIUM,

Which has been arrived at after a series of exhaustive experiments, is destined to entirely supersede the old Gelatine processes. It is supplied already prepared from the factory. It is applied *cold*, sets and dries quickly, forming a pellicle negative, *thin, tough and flexible*, and may be printed from either side. Full particulars for use accompany each package.

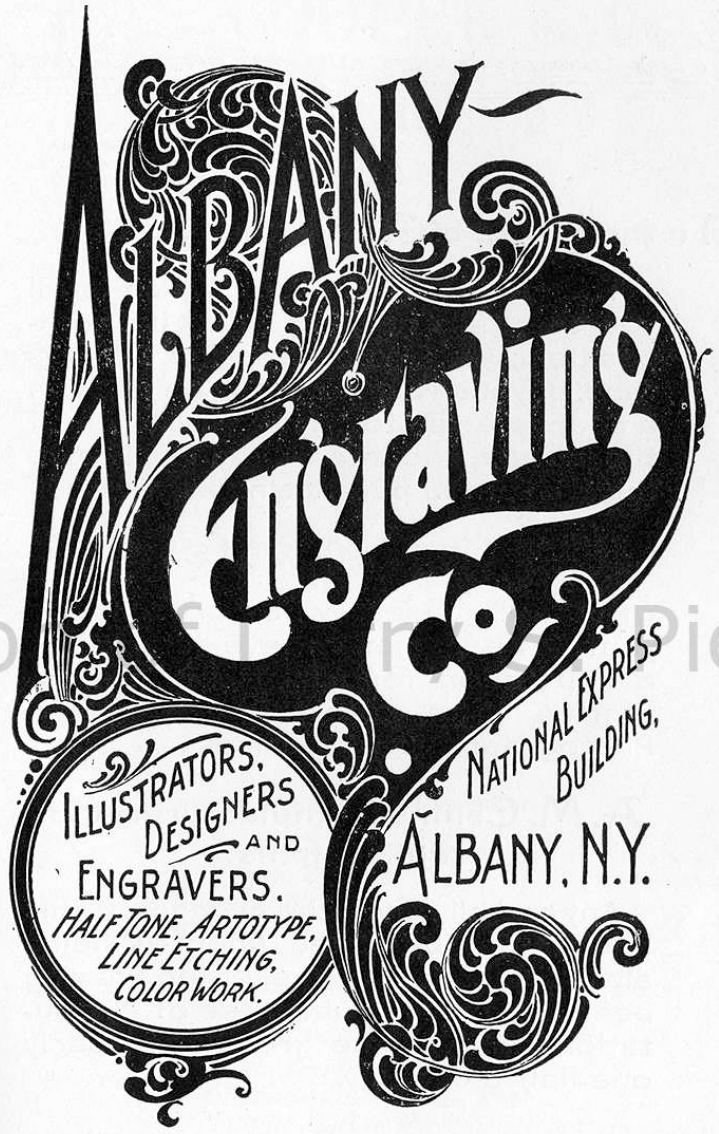
PRICE: Pint Bottles, 75c.; Quart Bottles, \$1.35; per Gallon, \$5.00.

"We have been in the photo-engraving business over three years. Used wet-plates for two years, and your process-plates for the last year on half-tone work. Each lot seemed uniform with the others and worked well. Have not had a wet-plate bath in the place, even for line work (or half-tone either) for over a year, and have turned out just as good half-tone work as can be done, so our customers say. It is as good as we could ever get with wet-plates."

H..... ENG. Co., per G. C. A.

WRITE TO FACTORY FOR CIRCULARS.

JOHN CARBUTT,
 Keystone Dry Plate and
 Film Works _____
 Wayne Junction, Philadelphia.



ALBANY
Engraving
Co.

ILLUSTRATORS,
 DESIGNERS
 AND
 ENGRAVERS.
 HALF-TONE ARTOTYPE,
 LINE ETCHING,
 COLOR WORK.

NATIONAL EXPRESS
 BUILDING,
 ALBANY, N.Y.

"We have perfected methods for three-color work, superior to all others. Our facilities for first-class work are unequaled."



To the Users of Photograph Cards :

The surface of a card, which is all you see, tells nothing as to its composition ; yet, what lies under the surface, beyond your ken, may be of such a character as to impair the value of the picture mounted upon it. Hence the wisdom in purchasing all your

Card Mounts

of manufacturers who, through long years of experience, have established a reputation for skill, ability and integrity. The oldest house in the Photographic Card business is

A. M. Collins Manufacturing Co.
Philadelphia.

Any and all cards, the product of this house, may be relied upon as being always just as represented, having behind them the guarantee of a reputation which is the growth of nearly one-half a century.

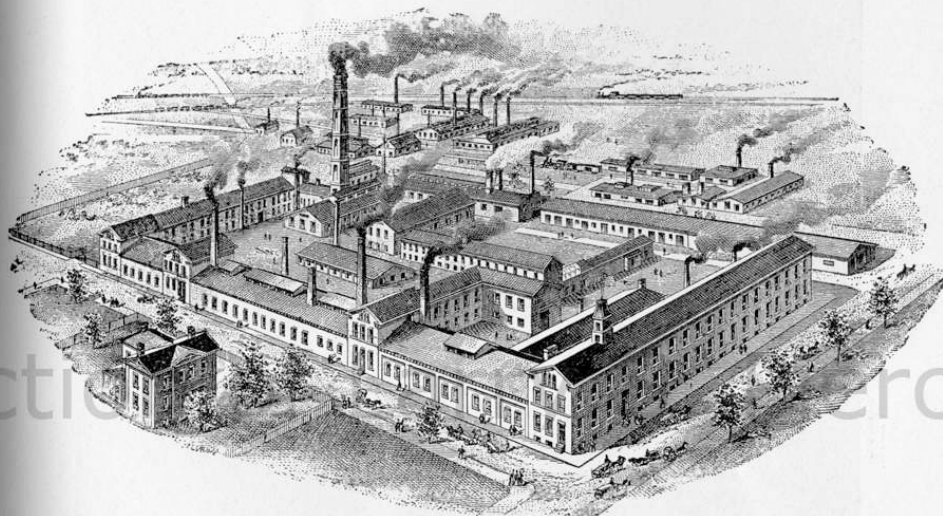


CHAS. COOPER & CO.

ESTABLISHED 1857.

✻ Manufacturing Chemists,

194 Worth St., New York.



WORKS AT NEWARK, NEW JERSEY.

✻
Photo Chemicals.
Nitrate Silver.
Chloride of Gold.
Sulphite Soda, Crystals and Granular.
Acid Sulphite Soda Solution.
Commercially and Chemically Pure Acids.
Ethers.
Litmus Paper.
Aqua Ammonia.
Chemicals for Aristo Paper.
Soluble Cotton for Collodion Paper.
Etc., Etc.

BROMO-OXYGEN DISINFECTANT

U. S. Patent. Can be diluted with 32 parts of water.

MONTHLY PRICE LIST ISSUED. REFINERS OF PHOTO WASTE.

By R. E. M. BAIN.

CHRIST'S WELLS.

The Courier Co., Engravers.



Merck's Pyrogallic Acid



will be found, upon comparison, to be superior in every respect to all other brands on the market. Its distinctive points of superiority are:

- 1ST.—ABSOLUTE PURITY
- 2D.—PERFECT CRYSTALLIZATION
- 3D.—IMMACULATE WHITENESS
- 4TH.—EXTREME LIGHTNESS
- 5TH.—MODERATE COST

(Its price is not higher than that of any other make.)

Merck's Pyrogallic Acid

produces the highest intensity to be desired in a photographic plate, and, at the same time, the finest detail in light and shade required for the most perfect printing negative.

Under ordinary precaution, it retains all its superior qualities undiminished for an indefinite length of time.

 WHEN ORDERING SPECIFY **"MERCK'S."**

To be had of your Dealer or
THE SCOVILL & ADAMS COMPANY,

423 BROOME STREET,

NEW YORK.

(OVER)

TESTIMONIALS.

"I have tested Merck's pyro carefully in comparison with the other pyros at present on the market, and I find that it is superior to any and all of them."

Prof. CHARLES EHLMANN,
Instructor of the Chautauqua School of Photography.

"I shall, in future, certainly use no other pyro but Merck's. The best is always good enough for me."

ALFRED STIEGLITZ,
Editor *American Amateur Photographer*.

"Merck's Pyrogallic Acid will be found a very superior article. Its purity is absolute, with quick crystallization and immaculate whiteness. In use, it produces the highest intensity that can be desired in the negatives. The detail in light and shade is perfect, producing printing qualities unsurpassed by any pyro we have ever used."

ST. LOUIS AND CANADIAN PHOTOGRAPHER.

"Merck's pyro has undergone a severe test in my hands. I find it to possess many qualities which give it superiority over all other makes. Authorities place the solubility of pyro as one part in two of water. I found one ounce of Merck's to dissolve readily in 1:7 of water at 60°. It is extremely light, pure, and of a fine white color, giving rich negatives full of vigor and sparkling brilliancy."

WALTER E. WOODBURY,
Editor of *The Photographic Times*.

"I have used Merck's Pyrogallic Acid, and prefer it to all others."

B. W. KILBURN,

Official Photographer (Stereoscopic), at the Columbian World's Fair, and San Francisco Mid-Winter Exposition.

"I have tried Merck's pyro and must certainly say it is the best I ever used. The results I have obtained with it are remarkably fine."

W. B. POST,
Amateur Photographer, New York.

MORENO STUDIO, Fifth Ave., New York.

"I have been using Merck's pyro in my studio, and am very well pleased with it. It is clean, gives brilliant negatives, and is reliable, one day's work being exactly the same as another's."

A. MORENO.

"I have been using Merck's pyro, and am ready to indorse the high praise which you have found it entitled to: 'that it is superior in point of purity, lightness and solubility' to any like product that I have seen. In fact, 'the new and improved process' seems to reach in its result the point beyond which it is impossible to go—that is, perfection. This was my impression at first sight, and using serves only to confirm it.

In my opinion, pyro stands at the head of all developers of dry plates, and I am much mistaken if Merck's pyro, when known, does not lead all brands of pyro."

W. H. SHERMAN,
Professional Photographer, Milwaukee.

xxx

When purchasing a Developer
please be particular to specify
Schering's
the oldest and most
favorably known brand.

Put up with labels and seals as per fac-similes here given.



REGISTERED.



REGISTERED.

THE STANDARD OF THE LAST—THIRD—EDITION OF THE GERMAN PHARMACOPŒIA.

See that you get the Genuine "Schering's." Excelled by none.

Send Orders to your Dealers, or to

THE SCOVILL & ADAMS COMPANY, NEW YORK.

xxxii

ANTHION-SCHERING

The Best Hypo Eliminator.

DIRECTIONS FOR USE.

THE SOLUTION.

Five grammes (75 grains) **Anthion** are dissolved in one litre (one quart) of luke-warm distilled water. The solution keeps for at least one month.

A. For Gelatine Plates.

a. The plate (13x18 centimetres—5x7 inches) or film, after fixing, is allowed to drain and then washed for about five minutes in a dish with about 600 cubic centimetres (20 fluid ounces) water; it is then again allowed to drain.

b. Afterward it is laid in a second dish with 200 c.c. (7 fluid ounces) **Anthion solution**, and again allowed to remain for five minutes with occasional stirring.

c. The plate is then once more laid in 600 c.c. (20 fluid ounces) fresh water, exactly according to direction *a.*

d. The operations *b* and *c* are repeated.

The plate is then **free from fixing soda**. (In order to determine this proceed as follows:)

Test.

To be certain that all the fixing soda is completely destroyed, proceed as follows: Several c.c. (half to one teaspoonful) of the last washing water are poured into a test-tube, and three or four drops silver nitrate solution (1 to 20) added. A white precipitate generally forms. If this gradually acquires a **yellow tint**, fixing soda is still present.

In such a case operations *a* and *b* are to be repeated.

B. For Positive Paper Prints.

The operations are carried out as under A, but instead of one plate five fixed copies (13x18 c.c.—5x7 inches) are taken, allowed to drain one by one, then laid singly in water (vide *a*), afterward in **Anthion solution** (vide *b*), then again in water (vide *c*), again in **Anthion solution** (vide *d*), and finally in water.

It is important that the paper prints are frequently separated in the different baths. If the prints stick together, the solution does not penetrate and cannot act.

= IMPORTANT =

For large plates and prints it is not only necessary to use larger dishes, but also more liquid, both **Anthion solution** and water. An excess of **Anthion** or of water is decidedly useful, but less is disadvantageous.

The above directions for washing relate to those who have no continual flow of water at hand.

If a continual flow of water is obtainable, it is advisable to wash the plates or prints in flowing water for a quarter of an hour, and then dip in the **Anthion solution** and test the result as above.

Send orders to your Dealers, or to

The Scovill & Adams Co., - - - New York.

THE Scovill & Adams Company

of New York,

SUCCESSORS TO THE

PHOTOGRAPHIC DEPARTMENT

—OF THE—

SCOVILL MANUFACTURING COMPANY,

Are Manufacturers, Importers of, and Dealers in

AN UNEQUALED VARIETY OF

Photographic * Goods,

EMBRACING

Every Requisite of the

Practical Photographer,

Professional and Amateur.

The Largest and Oldest Photographic Establishment in the Country



Publication Department.


Publishers of "THE SCOVILL & ADAMS PHOTOGRAPHIC SERIES" (52 publications), the "Photographic Times Annual," etc., etc.

A New Catalogue of Photographic Books and a copy of "HOW TO MAKE PHOTOGRAPHS" sent free on application.

W. IRVING ADAMS, PRESIDENT.

W. I. LINCOLN ADAMS, VICE-PRESIDENT.

E. R. YOUNG, JR., SECRETARY.

The American : :

Optical Co.'s
Apparatus.

Either for Studio Use or for Out-door Photography.

Has never been Excelled, or even Equaled,

In Variety of Design,
Durability of Construction,
and in Fineness of Finish.

FIRST PRIZES EVERYWHERE.
HUNDREDS OF TESTIMONIALS.

Cameras, Stands,
Tripods,
Portrait Boxes,
Printing Frames,
Hand Cameras,
Negative Boxes,
and all other Photographic Apparatus.

The American Optical Co.'s Apparatus is sold by all the leading photographic merchants in this country, Canada, West Indies, South America, Australia, Great Britain, Russia, Mexico, and in many other parts of the globe.

THE SCOVILL & ADAMS COMPANY OF NEW YORK,













Trade Agents.

xxxiv

TO SUCCEED

Use



-  Scovill Apparatus.
-  Waterbury Single View Lenses.
-  Morrison (Wide Angle) Lenses.
-  Zeiss Anastigmatic Lenses.
-  Hammer, "Three Shields," and Carbutt Plates.
-  Three Crown Albumen Paper.
-  Ilc (Collodion) Aristotype Paper.
-  N. Y. (Gelatine) Aristotype Paper.
-  Waterbury Cardboard.
-  "Non-Cockle" Paste.
-  Merck's Superior Pyro.
-  S. P. C. Chemicals.

And Read

The S. & A. Photographic Publications

AND
The Photographic Times.

xxxv

NEPERA

Printing-out Paper is steadily displacing its rivals. The hot weather has helped to show its great merits. : : : : :

Our PLATINOID

ROUGH SURFACE

ENAMELED

BROMIDE PAPERS

are the best and easiest to handle.

VELOX

Our Latest Invention!

MATT and GLOSSY.

The photographer's greatest boon.

No rainy nor cloudy days need interfere henceforth with your work.

Exposed to the same light it prints 500 times quicker than Albumen.

Developed by subdued daylight, or by gaslight.

Any desired tones obtained.

The greatest paper for hot or damp climates.

Keeps indefinitely and gives permanent prints.

Negatives never spoiled by scratching or silver stains.

Much more permanent than Albumen.

35 cents for a trial package (cabinets), sample prints and developer.



NEPERA CHEMICAL CO.,

NEPERA PARK, N. Y.,

Sole Manufacturers.

xxxvi

RIVES

ESTABLISHED 1783.

PAPERS

FOR **Photographic Processes.**

B. F. K. RIVES.

For —

- * ALBUMENIZING,
- * ARISTO GELATINO,
- * ARISTO CELLOIDINE,
- * BROMIDE,
- * SOLAR ENLARGEMENTS,
- * PLATINOTYPE,
- * CHLORIDE, ETC., ETC.

Chemically Pure Photo Blotting Paper.

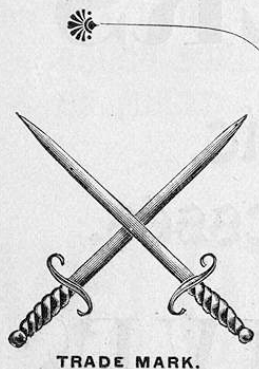
BLANCHET FRÈRES & KLÉBER,

RIVES-ISÈRE, FRANCE.

621 Broadway, New York.

xxxvii

TWO NEW THINGS!

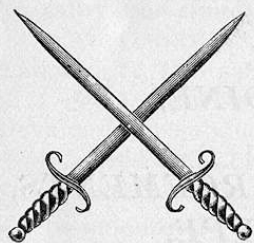


TRADE MARK.

CROSS-SWORDS Satin

ALBUMEN PAPER,
PENSEE.

THIS Paper, made by a new process, is equal to any Aristotype paper in gloss and surpasses it by far in printing and toning qualities.



TRADE MARK.

KOSMOS Dresden

COLLODION PAPER
(SENSITIZED COLLODION.)

GIVES most beautiful results.
Does not curl, crack or peel,
and is toned in the combined or
separate bath.

SAMPLES SENT ON APPLICATION.
FOR SALE BY ALL STOCK DEALERS.

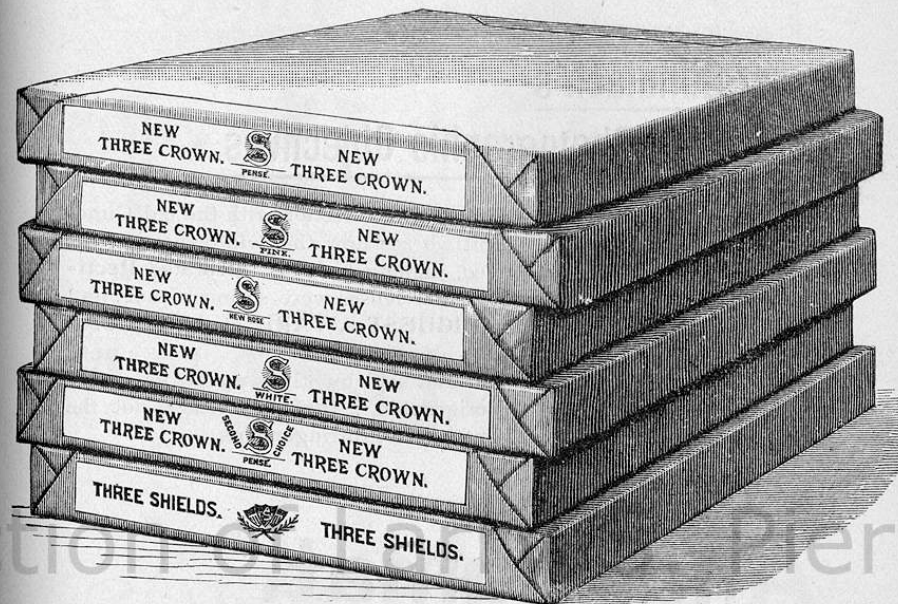
Dresden Photo-Paper Works,

Branch of the United Factories of Photo Papers, Dresden.

Dresden, Germany, AND Jersey City, N. J.

xxxviii

ALBUMEN PAPER.



Why
"THREE CROWN" ALBUMEN PAPER
IS ABSOLUTELY THE BEST.

Because none but the Best of the Rives Paper is selected for Albumenizing the THREE CROWN BRAND. It is therefore free from the imperfections often to be found in other brands, which arise from imperfections in the plain paper.

EVERY SHEET IS GUARANTEED TO BE PERFECT.

"THREE CROWN" ALBUMEN PAPER is sold by all the leading dealers in photographic materials. A sample sheet will be sent, postpaid, without charge, on application to

THE SCOVILL & ADAMS COMPANY, Importers.

xxxix

THE GUNDLACH PHOTO-OPTICAL CO.

ROCHESTER, N. Y.

SOLE MANUFACTURERS OF

Ernst Gundlach's Celebrated Photographic Objectives.

Ernest Gundlach has severed all connection with the old Gundlach Optical Company, and we are now the sole owners of his Patent of December 9, 1890, under which his celebrated **Rectigraphic, Perigraphic**, and other lenses were so long made, and which lenses received the **HIGHEST AWARD** at the **COLUMBIAN WORLD'S FAIR**.

Beware of lenses made and sold by others under the names "Rectigraphic" and "Perigraphic"; they are either not the genuine patented lenses, or they are infringements.

THE GUNDLACH **Anastigmat.**

The finest Universal Lens made; the only **absolutely** anastigmatic; crisp sharpness and even illumination from centre to corner at full aperture.

THE GUNDLACH **Wide-Angle Anastigmat.**

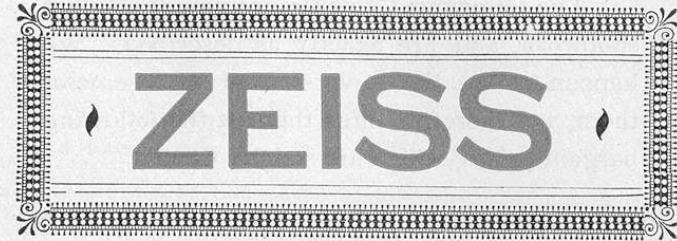
The only real instantaneous Wide-Angle Lens made. A $5\frac{1}{2}$ inch focus lens covers $6\frac{1}{2} \times 8\frac{1}{2}$ plate with full aperture ($f: 8$) anastigmatic to the corner.

THE GUNDLACH **Apoplanat.**

A **Semi-Anastigmat**; crisp sharpness at full aperture.

x1

The NEW ...



ANASTIGMATIC



Made by **CARL ZEISS**, of Jena, Germany,

Is the **BEST**

— Lens

Made

Anywhere.

The Scovill & Adams Company of New York,

SOLE IMPORTERS.



SEND FOR PARTICULARS.

xli

Cameras at Bargain Prices.

The following Cameras are new goods, not shopworn, and are exactly as described. We happen to be a little overstocked with some of them, and therefore offer them at the following bargain prices, which are strictly **Cash** :

	Catalogue Price.	Bargain Price.
4 1/2 x 6 1/2 Elite Outfit	\$17 00	\$11 50
5 x 7 " "	17 50	12 00
5 x 8 " "	18 00	12 00
6 1/2 x 8 1/2 " "	22 00	15 00
The Elite Camera is a single swing mahogany polished box, with vertical shifting front, rubber folding bellows, rack and pinion focusing adjustment, and the outfit consists of tripod, Waterbury lens, carrying case, etc.		
4 x 5 Waterbury Outfit	12 00	8 00
4 1/2 x 5 1/2 " "	13 00	9 00
4 1/2 x 6 1/2 " "	14 00	9 50
5 x 8 " "	16 00	10 50
Similar to Elite, but not quite so highly finished.		
4 x 5 Flandreau Camera	17 00	9 00
5 x 7 " "	22 00	12 00
Very compact, nickel trimmings, polished mahogany, reversible, swing back and front, rising front board.		
A few only :		
St Louis Camera, 4 1/2 x 5 1/2 S.S.	26 00	13 00
" " 4 1/2 x 5 1/2 D.S.B.	30 00	15 00
" " 4 x 6 1/2 S.S.	30 00	15 00
" " 4 x 6 1/2 D.S.B.	34 00	17 00
A reversible back, mahogany camera, very fine.		
One 4 x 5 Irving Single Swing Camera	27 00	18 00

	Catalogue Price.	Bargain Price.
One 5 x 7 Folding Waterbury Back, F. Gundlach "Star" lens	\$50 00	\$27 50
One 4 x 5 Folding Waterbury Back, no lens	40 00	20 00
One 8 x 10 Landscape Single Swing Camera. A very handsome highly finished Camera	25 00	12 50
One only. Rival 4 x 5 Detective Camera, double R.R. lens	30 00	24 00
Butterfly Shutter, fitted with six double plate holders, double finder, etc. Covered with first quality grained leather. A special bargain.		
One 4 x 5 Mascot Camera, with Eastman roll-holder	30 00	20 00
4 x 5 Knack Camera, antique oak finish	15 00	10 00
4 x 5 Knack Camera, leather covered	17 50	12 00
4 x 5 New Waterbury Camera, with 3 double holders	15 00	12 00
One 3 1/2 x 4 1/2 Bristol Magazine Camera	30 00	10 00
One 5 x 8 Leader View Camera	24 00	15 00
One 6 1/2 x 8 1/2 Leader View Camera	24 00	15 00
4 x 5 Favorite Outfit, with extra 4 1/2 x 5 1/2 holder	10 00	6 33
5 x 7 Favorite Outfit, with extra holder	12 00	7 60
4 x 5 D. S. B. Revolving Back Camera	32 00	18 00

THE SCOVILL & ADAMS COMPANY OF NEW YORK,

423 BROOME STREET.

Some . . .

Special Henry Clay Cameras at Bargain Prices

The following **Henry Clay Cameras** are new goods in perfect condition. They were made especially to order, and for one reason or another have not been sold; hence we offer them at the following reduced prices, which are net cash in every instance.

As there are only one of each camera a prompt response is necessary in order to secure any particular instrument. We advise telegraphic orders.

A 4 x 5 Henry Clay Camera, with special Rapid Rectilinear Lens and Le Vergne Time and Instantaneous Shutter.

Regular price, \$65.00. Special Bargain price, \$50.00.

NOTE.—The Le Vergne Shutter is a very accurately adjusted instrument for time and instantaneous exposures; is fitted with an Iris Diaphragm, Pneumatic Release, and adjusted so that any fraction of a second may accurately be given on exposure.

A 4 x 5 Henry Clay Camera, complete with an Eastman Roll Holder; also one Double Light-weight Plate Holder.

Regular price, \$62.50. Bargain price, \$48.00.

This Camera has the regular Henry Clay Rapid Rectilinear Lens and a Pneumatic Time and Instantaneous Shutter.

A 5 x 7 Henry Clay Camera, without Lens or Shutter, **Aluminum Mountings.**

This Camera makes a very handsome appearance with the white metal trimmings. It is especially desirable for one of the new Zeiss or Swift Lenses with Aluminum mountings, and is, of course, very much lighter than the regular camera with brass trimmings.

Special Bargain price, \$38.00.

A 5 x 7 Henry Clay Camera, complete, with a plain Scovill & Adams Shutter; that is, without Pneumatic Release. This is the original Henry Clay which sold for \$50.00, and we have only one left, which we will sell for \$30.00.

A 5 x 7 Henry Clay Camera, with Three Double Light-weight Holders, contained in a box, with the regular Henry Clay Lens and Shutter, Pneumatic Release.

Regular price, \$57.60. Bargain price, \$46.00.

A 5 x 7 Henry Clay Camera, like the above in every respect, with Bausch & Lomb Shutter. Bargain price, \$47.00.

A 5 x 7 Henry Clay Camera, Stereoscopic, less Lenses and Shutters, Double Swing Front. Regular price, \$50.00. We will sell for \$40.00.

A 5 x 7 Henry Clay Camera, Stereoscopic, Double Swing Front, with Roll Holder less Lens and Shutter. Regular price, \$65.00. Bargain price, \$50.00.

A 5 x 8 Henry Clay Camera, Stereoscopic, Single Swing Front, less Lens and Shutter. Regular price, \$46.00. Bargain price, \$36.00.

An 8 x 10 Henry Clay Camera, Double Swing Front, less Lens and Shutter, fitted with One Double Light-weight Holder.

Regular price, \$50.00. Will sell for \$40.00.

One 4 x 5 Henry Clay, Jr., with Three Double Light-weight Holders.

Regular price, \$32.60, including Holders. Will sell for \$24.00.

One 4 x 5 Henry Clay, Jr., with Simplex Shutter, with Three Double Light-weight Holders. This Shutter is a special one which cost \$13.00, making the total cost of the Camera, with Holders, \$45.00. Bargain, \$35.00.

NOTE.—This is a special bargain, as the Camera, with the Lens and Shutter, which it contains, is virtually as good as the regular Henry Clay.

One 5 x 7 Henry Clay, Jr., without Lens or Shutter. Special Bargain price, \$25.00.

The above Cameras, unless stated otherwise, all contain one Double Light-weight Plate Holder. They are exactly as described, and will be sold for cash only.

The Scovill & Adams Company of N. Y.,

423 Broome Street, New York.

Lenses Below Cost

The following list of Lenses are offered at prices which are **ACTUALLY BELOW COST**. They are, of course, strictly CASH prices. Orders will be filled in rotation as received, until the stock is all sold.

	REGULAR PRICE.	REDUCED PRICE.		REGULAR PRICE.	REDUCED PRICE.
1 8x10 Morrison Full Figure Lens.....	\$90 00	\$45 00	1 Pair H. B. & H. Stereo Lens.....	\$20 00	\$5 00
1 Morrison Lens for Panthascope Camera.....	25 00	5 00	1 4-5 Single View Lens, R. & P.....	37 50	8 00
1 6 in. 4-5 Instantaneous Morrison Wide Angle Lens.....	25 00	10 00	1 Pair Imitation Dallmeyer Stereo.....	19 00	9 00
1 No. 2 Morrison Leukoscope, 17x20, Portrait Lens.....	170 00	90 00	1 A. O. Co. Portrait Lens, 8x4.....	30 00	95 00
1 No. 3 Morrison Leukoscope, 16x18, Portrait Lens.....	150 00	60 00	1 8 in. C. C. H. Globe Lens.....	80 00	15 00
1 No. 4 Morrison Leukoscope, 11x14, Portrait Lens.....	100 00	42 00	1 10 in. " " ".....	100 00	20 00
1 5x8 Wale Lens, W. D.....	6 00		1 6 in. " " ".....	54 00	10 00
1 4x5 Gundlach Star Lens.....	9 00	5 75	1 3 in. " " ".....	31 00	5 00
1 8x10 " W. A. Lens.....	35 00	22 50	1 2 1/2 in. " " ".....	27 00	3 50
1 6 1/2 x 8 1/2 " R. R.	38 00	23 50	1 1/2 in. " Quick Worker.....	50 00	10 00
1 3/4 W. D. Lens, of the celebrated makers, Bertiner, of France.....	30 00	15 00	1 2-3 in. " " ".....	75 00	15 00
1 6 1/2 x 8 1/2 Ross Rapid Symmetrical, with Triplex Shutter.....	65 00	48 75	1 No. 3 Ratio Lens.....	35 00	80 00
1 No. 5, Series II, Bausch & Lomb, Zeiss Lens.....	64 00	42 50	1 No. 2 " " ".....	160 00	50 00
1 No. 7, Series III, Bausch & Lomb, Zeiss Lens.....	84 00	68 25	1 No. 1 " " ".....	45 00	10 00
1 No. 1, Series IV, Bausch & Lomb, Zeiss Lens.....	17 50	12 00	1 4-5 Optimus Lens, W. D.....	25 00	10 00
1 No. 2, Series IV, Bausch & Lomb, Zeiss Lens.....	17 50	12 00	1 10-12 " " ".....	80 00	50 00
1 No. 3, Series IV, Bausch & Lomb, Zeiss Lens.....	21 00	12 00	1 4x5 Rapid Single Lens.....	20 00	8 50
1 No. 4, Series IV, Bausch & Lomb, Zeiss Lens.....	24 00	17 00	1 5x7 " " ".....	32 00	12 50
1 No. 5, Series IV, Bausch & Lomb, Zeiss Lens.....	32 00	24 00	1 8 in. Wide Angle Lens.....	33 00	15 00
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1 No. 1 Darlot Wide Angle Lens.....	12 50	6 00	1 10x12 Dallmeyer Rapid Rectilinear Lens.....	84 00	40 84
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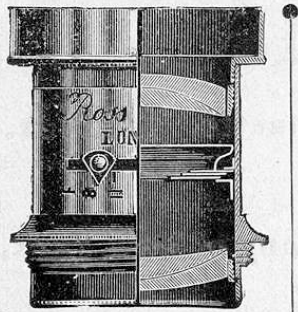
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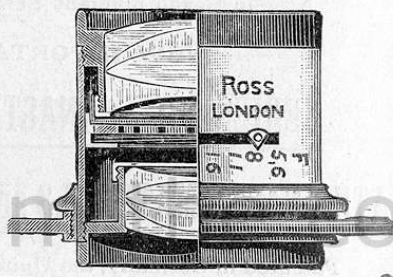
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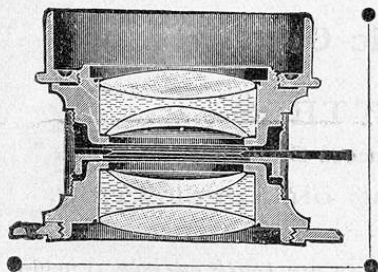
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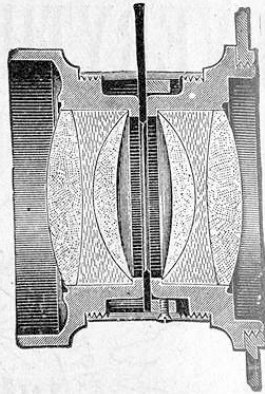
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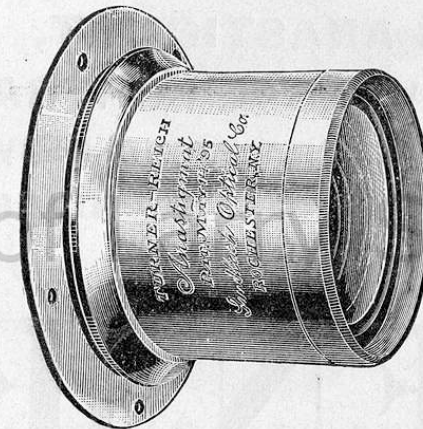
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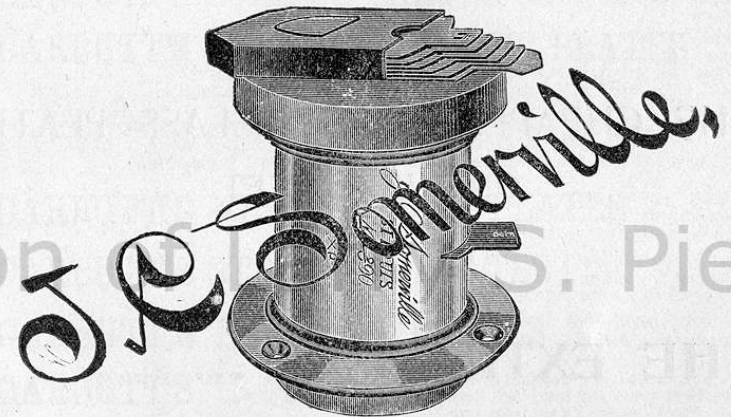


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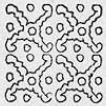
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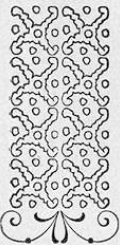
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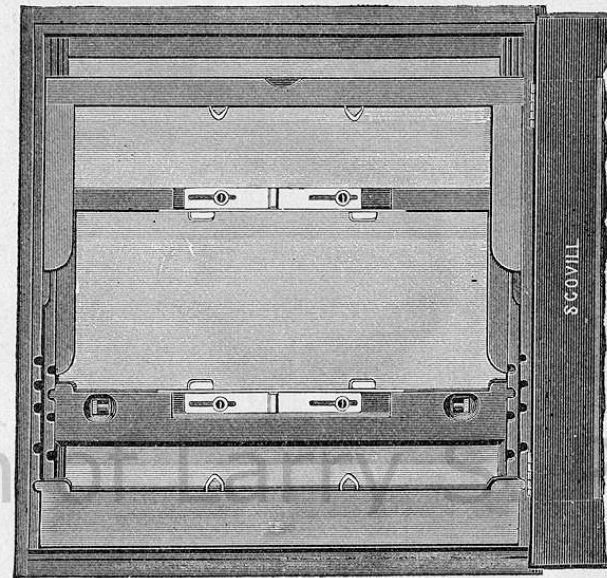
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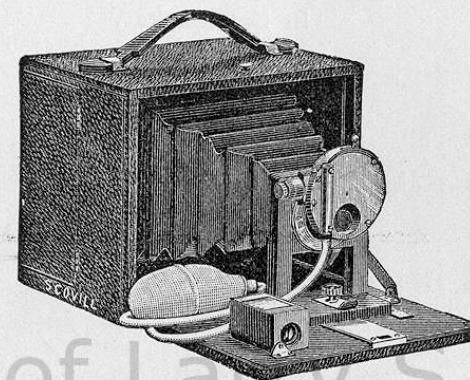
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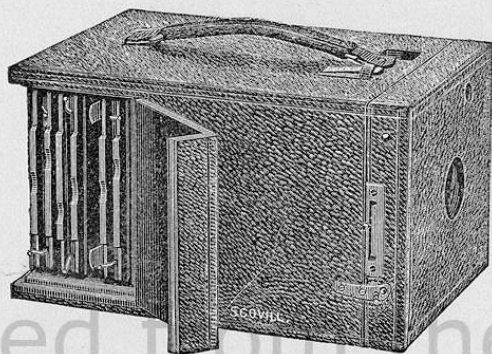
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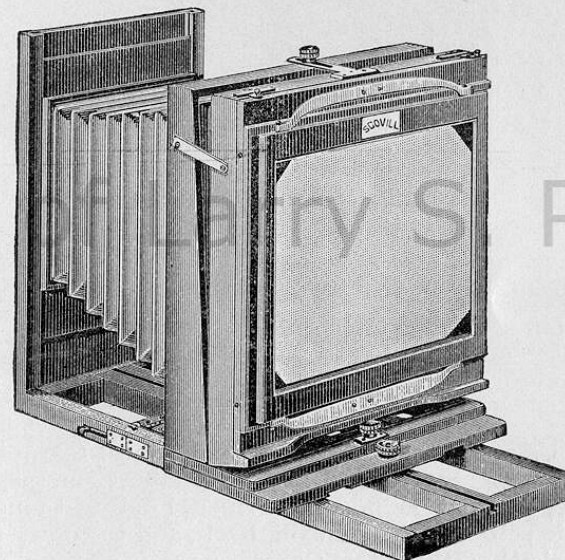
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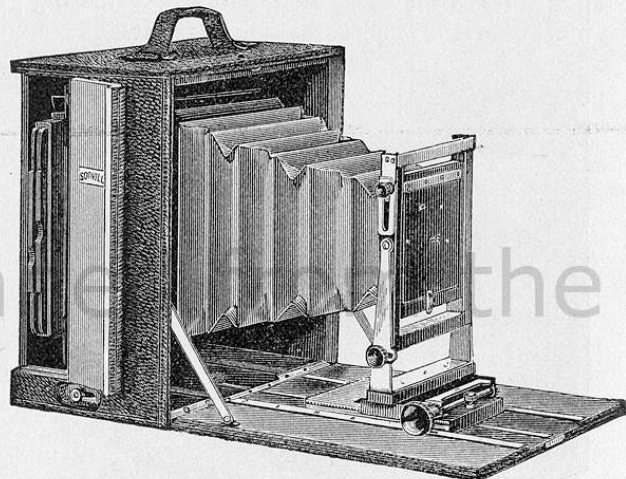


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Size, 6½x8½, with two (2) double holders, - - \$45 00 | Size, 8 x 10, with two (2) double holders, - - \$50 00



- - FOR SALE BY ALL DEALERS - -

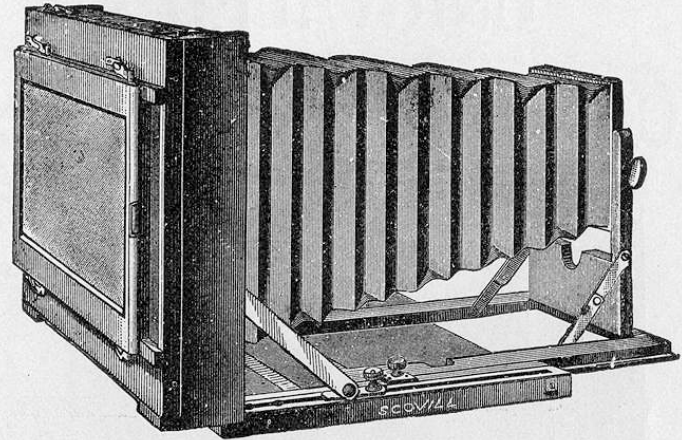
AND

The Scovill & Adams Company of New York.

lxx

→* IRVING VIEW CAMERAS. *←

The IRVING Camera recently introduced by the American Optical Co. was awarded the highest prize by the judges at the American Institute Fair. They expressed themselves as unable to see how a more complete, compact, light, handsome and serviceable camera could be made.



The Irving Cameras all have swing front in addition to swing back, vertical shifting front board. They have the Howe patent reversible back, fitted with self-locking ground-glass frame, and when desired, celluloid is used in place of glass for the focusing screen. One of the best features of the camera is the absence of detachable screws. An idea of this is conveyed by the illustrations showing the camera when extended and when folded.



A superb canvas case, the finest ever made, is supplied with each one of the Irving Cameras. Price list is as follows:

	Single Swing.	Double Swing.		Single Swing.	Double Swing.
4 x 5	\$27.00	\$32.00	10 x 12	60.00	\$65.00
5 x 7	33.00	38.00	11 x 14	65.00	70.00
5 x 8	35.00	40.00	14 x 17	75.00	80.00
6½ x 8½	40.00	45.00	17 x 20	85.00	90.00
8 x 10	45.00	50.00	18 x 22	95.00	100.00

In order to convey an idea of the lightness of these cameras, it is sufficient to say that the 5 x 8 size camera weighs only 3 lbs.

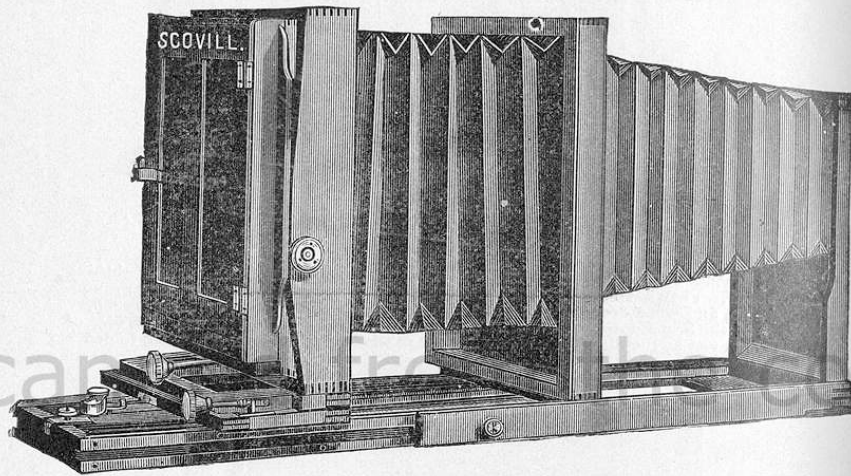
For Sale by all Dealers in Photographic Materials and The Scovill & Adams Company.

lxxi

THE AMERICAN OPTICAL CO.'S

UNRIVALED

PORTRAIT CAMERAS.



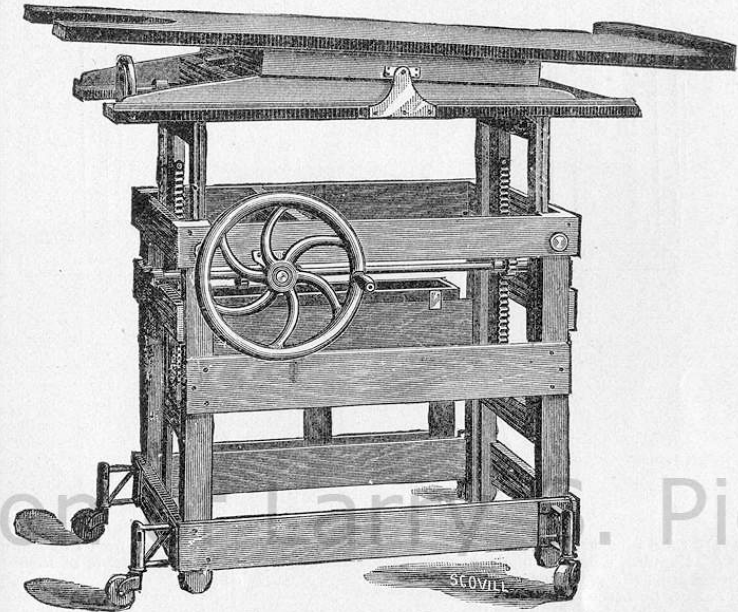
The American Optical Company Portrait Cameras are manufactured from the best mahogany, French polished, and have the Lever Focusing Attachment, by which the most delicate focus can be adjusted with the utmost facility and ease. Above 10 x 12 size, they have double bellows, vertical shifting front, the V-shaped wooden guide, and telescopic platform.

No.	Size.			With Double Swing-back.
5—	8x10 ins.,	with rigid platform	30 ins. long.	\$38 00
6—	10x12	“ “	“ 36 “	48 00
7—	11x14	“ extension	“ 48 “	64 00
			“ double bellows and vertical shifting front,	
8—	12x15	“ “	“ 48 “	72 00
9—	14x17	“ “	“ 60 “	76 00
10—	16x20	“ “	“ 65 “	88 00
11—	17x20	“ “	“ 65 “	90 00
12—	18x22	“ “	“ 70 “	100 00
13—	20x24	“ “	“ 72 “	110 00
14—	22x27	“ “	“ 72 “	130 00
15—	25x30	“ “	“ 80 “	170 00

Buy from Dealers or the Scovill & Adams Company.

THE “ELITE” STUDIO STAND.

(PRIZE WINNER.)



Patented.

These are the only Stands suited in workmanship and finish, also in size, to the large American Optical Co.'s Cameras, with their great length of bellows and extension platform. Practical portraitists cannot fail to admire the ease with which these stands can be adjusted at any desirable height or inclination, and the noiseless manner in which they may be moved from place to place, their elegant appearance and accurate construction.

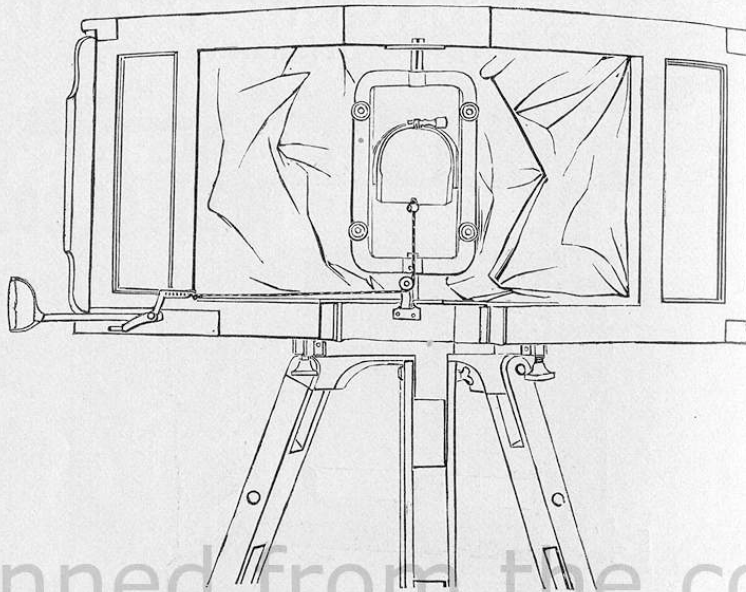
Instead of the clumsy levers and racks, by which accurate adjustment of the platform was obtained in the older stands; the proper elevation and inclination are produced in the “Elite” stand by cog-wheel and snake screw, and the manipulation at one side by a wheel with handle, and within reach of the operator, so that he may adjust the height or inclination of this camera without taking his head from under the focusing cloth. By means of the wheel worked at the rear end of the platform, the horizontal position of the platform may be inclined upward or downward to a limit of 15 degrees. A great advantage from this movement, we observe, is that a true horizontal position—so difficult to obtain in the old camera stands—is, with these, an easy matter to effect. This is especially important to those who may use them for reproduction work. In the No. 2 size the platform is fifty-two inches long and twenty-five inches wide, and its length may be increased to seventy inches by an attachment which slides out forward, making it quite long enough for supporting a large copying camera. Then a semi-circular cut-out, to the rear end of the platform, is a convenience to the operator, who is thus enabled not only to stand closely up to the ground glass, no matter how far the camera may have been pushed forward, but bending of the body is obviated, which is quite a necessity with all the older stands.

“ELITE” STUDIO STANDS

PRICE, with Rack and extension for Plate Holder.	No. 1 Size.	No. 2 Size
	\$32.00	\$36.00
Highest point from platform to floor.	48	48
Lowest “ “	32	32
Width of platform	22	26
Length of platform without attachment.	45	52
“ “ with “	60	70

For Sale by all Dealers in Photographic Materials and The Scovill & Adams Company.

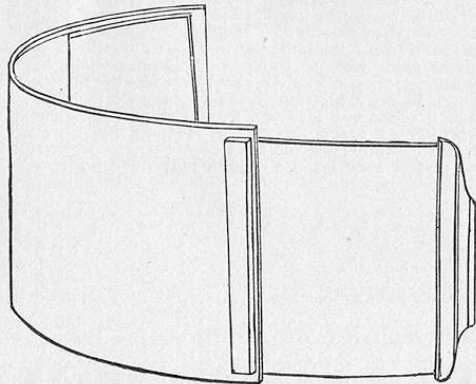
The Scovill Panoramic Camera.



WE take pleasure in introducing to the photographic fraternity our new Panoramic Camera, which is made in various dimensions up to the size capable of making photographs 18 x 48 inches.

A new design of constructing these cameras in hemispherical form has been invented; a new movement of crossing the lens over the segments of the circle, and an automatic release for the shutter has also been constructed. Carbutt's No. 27 films, or his orthochromatic films of the same sensitiveness, are used by means of an ingeniously constructed flexible dark slide, which permits of the necessary curve to conform with the back of the camera. The cameras are solidly and serviceably made, elegant in finish, and in every way maintain the world-wide reputation of the American Optical Company. The cuts shown herewith give an idea of the external appearance of the camera, and the dark slide for holding the film.

The prices of these cameras, including in each case a substantial wooden box or trunk for holding the instrument, a suitable tripod, a panoramic printing frame, two holders, two developing baths, and the celebrated Swift lens, are given below.



Price of The Scovill Panoramic Outfit for making photographs 10x30 inches, complete as above, - - - - \$250

Price of The Scovill Panoramic Outfit for making photographs 16x43 inches, complete as above, - - - - 300

THE
SCOVILL & ADAMS COMPANY,
 423 Broome Street,
 New York City.

FOR SILVERING, THE WATERBURY TRAYS ARE THE BEST AND CHEAPEST.



These Trays are made by the

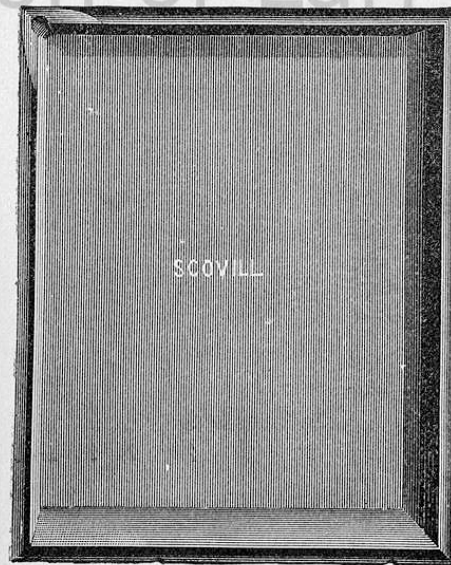
AMERICAN OPTICAL CO.

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.

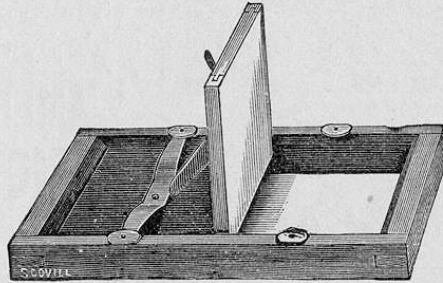
	Each.
15x19 Waterbury Trays.....	\$3 50
19x24 " "	5 00
22x28 " "	6 50
25x30 " "	9 00

For Sale by all Dealers in Photographic Requisites, and by

THE SCOVILL & ADAMS COMPANY.

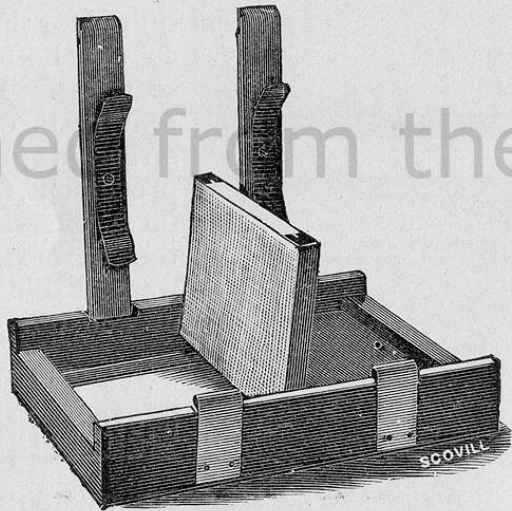
Scovill Printing Frames.

Manufactured of Cherry, with Brass Springs, Paneled Backs and Tally.



Scovill Flat Printing Frame (Open).

Our Printing Frames are constructed so that a uniform pressure is obtained, thus insuring perfect contact between the positive paper and negative plate. The back-boards are so arranged that the progress of the printing may be watched without danger of shifting the paper.



Scovill Deep Printing Frame (Open).

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

*Larger or special sizes made to order at short notice, according to specification. When made with backs to open lengthwise, ten per cent. is added to the foregoing prices for the respective sizes.

A Page of Specialties

MANUFACTURED BY

H. A. Hyatt

N. E. Cor. 8th and Locust Streets, St. Louis, Mo., U.S.A.

DEALER IN

PHOTOGRAPHIC SUPPLIES.

Hyatt's Stamp Portraits and Apparatus.

Pat. July 12th, 1887.

Making the only and original stamp portraits, gummed on the back, and perforated like postage stamps. Samples and prices on application.



Peck's Pneumatic Retoucher

Pat. March 26th, 1895.

The only practical retouching machine in the market. Uses air as a motive force. The pencil weighs but half an ounce. Write for particulars.

Three Vignettes

Kuhn's New Magic Vignetter—For black Backgrounds and Platino effects.

Kuhn's Improved Vignetting Attachment—For Vignetting the Negative.

The Dixie Vignettes—For Vignetting the Print.

Columbian Incandescence Ruby Electric Lamps—For illuminating the Dark Room. An absolutely safe light for the purpose.

The Mound City Gasoline Burnisher Heater—For all sizes. No smoke, smell or dirt.

Hyatt's New Rival Lenses—For Portraits and Views. Wide Angle and Wide Angle Portable Symmetrical Rival Lenses. Best in the world for interiors and architectural work.

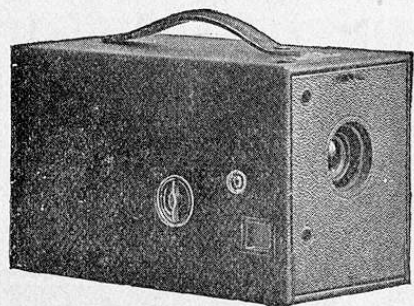
Hazenstab's Studies in Photography, Lighting, Posing and Grouping, and Hazenstab's Simplicity on Retouching should be in the hands of every photographer.

Our Catalogues, Booklets, Circulars, Etc., describing all of the above Specialties, and containing descriptions, illustrations and prices of every Photographic Requisite, will be mailed to any address on receipt of ten cents in stamps to prepay the postage.

Address

H. A. HYATT, N.E. Cor. 8th & Locust Sts., St. Louis, Mo., U.S.A.

THE SUNART



Magazine Camera :

5 STYLES.

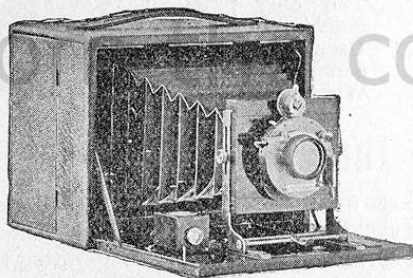
Price from
\$25 to \$45.

The only practical Magazine Camera. Holds 24 cut sheet films, 4 x 5 inches, already loaded in carriers for you. Films guaranteed.



"Veni!" "Vidi!" "Vici!"

SUNART Folding Camera



All Sizes, from 4 x 5, 5 x 7, 6½ x 8½.

Ranging in price from \$20.00 to \$75.00.

The smallest up-to-date Folding Camera. Will carry three double plate-holders for glass or roll holder, for 48 exposures on films. First-class Lenses and Shutters guaranteed. The finest grade of workmanship.

SEND FOR CATALOGUE.

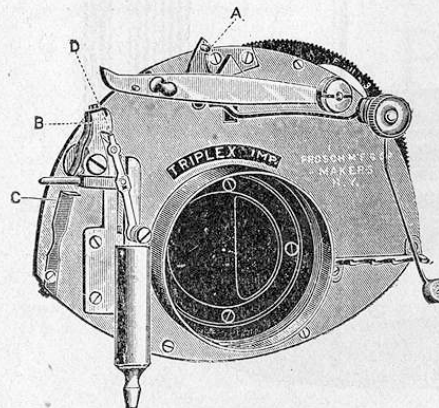
SUNART PHOTO CO.

For sale by all
Photo Stock Dealers.

Rochester, N. Y., U. S. A.

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The TRIPLEX Improved Shutter



For neatness, simplicity, certainty of operation, correct construction according to optical requirements, and **Range of Speed**, is the very ideal of what a Shutter should be. Many have pronounced it the "**Ne Plus Ultra**" of shutter construction.

Price, \$12.50 up.

Have you failed

To stop even slight motion with some shutter with a speed indicator marked up to $\frac{1}{100}$ sec.? Would not a test of such a shutter show it was not even **half** as fast as pretended? The **TRIPLEX, Imp.** does what its **SPEED Card** claims; works to $\frac{1}{150}$ of a second, **every gradation less**, and has **TIME** movement.

FLASH LAMPS

ARE NOW IN SEASON.

Lightning Storage Lamp (from Dec. 1st), - - - \$4.50
Professional Storage Lamp, " " - - - 9.00

The Lightning, or "Prosch Lamp" is well known for effective work. Professional, TWICE its size. Just the thing for large and mine work. These Lamps are the most powerful *portable* flash devices made.

Our Catalogue, mailed FREE, will interest you.

PROSCH MFG. CO.

389 Broome Street, New York.

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Acme Burnishers.



Note what a party says who had a Burnisher of another make and purchased one of our 15" Aristo Burnishers heated by oil :

MIDDLEBURGH, N. Y., April 23, 1895.

ACME BURNISHER CO.

GENTLEMEN: I tried my new Burnisher yesterday and find it to be all you claim for it. It is decidedly the finest and does the best work of any Burnisher I have ever used, and I have been in the Photograph business for twenty-eight years, and in that time I have tried about all of the different makes. The lamp heating attachment is great. It heats quick and is very easy to handle.

Yours very respectfully,

J. W. RICHIE.

This speaks for itself. The Acme Aristo Burnisher gives the best gloss and is the simplest Burnisher made and is the only hollow roll Burnisher made that can be heated by oil, gas or gasoline.

Remember it is fully guaranteed. Give the Acme Aristo a trial and be convinced as others have been.

Ask your Dealer for New Catalogue.

ACME BURNISHER CO.
FULTON, N. Y.

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CARBON ^{AND} PLATINUM PAPERS.

My specialty since 1889. If you don't know about them, or have not tried mine, send 2c. stamp for instructions and price list.

N. Y. DEVELOPING POWDERS.

\$1.00 per box. Unexcelled for plates, bromide paper and transparencies.

MYTRYLYN DEVELOPER.

A most perfect combination of several of the more recent phenols. Material for ONE GALLON (can be dissolved in 1 qt. water) sent, post-paid, for \$1.50.
None Better! None Nearly so Cheap! TRY IT!

CAMERAS, LENSES, General Photo Supplies.

Catalogue of any make cheerfully sent. Rochester Optical Co.'s Apparatus a specialty.

Those wishing a specially fine lens will be interested in the new **ROSS GOERTZ**, Series III. It will take snap shots on dull days, and give full detail. Catalogue free. Lenses *on approval* to parties known to me or furnishing suitable references.

BACKGROUNDS at reasonable prices.

PROMPT SHIPPING.

Situated close to all Express Companies and Post Office. Goods are shipped one hour after receipt of order.

Correspondence Solicited.

Inquiries Cheerfully Answered.

Manufacturers of Photo Novelties please send Samples and Prices.

EDWARD W. NEWCOMB,
PHOTOGRAPHIC : APPARATUS : SUPPLIES,

69 West 36th Street. N. Y. City.

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MAX LEVY'S Perfected Engraved Gratings

FOR THE

Half-tone Process.

Patented in the United States and England, Feb. 21, 1893.

Original Rulings, Engraved Lines,

PERFECTLY BLACK LINES,
PERFECTLY TRANSPARENT SPACES,
PERFECTLY SHARP EDGES.

THE ONLY PERFECT APPLIANCE FOR MAKING HALF-TONE NEGATIVES.

Over **2,000** in use in the best establishments
throughout the world.

All Sizes, from $3\frac{1}{4} \times 4\frac{1}{2}$ to 32×38 inches.

All Rulings, from 50 to 300 lines per inch.

MANUFACTURED BY

MAX LEVY,

1213 Race Street, Philadelphia, Pa., U. S. A.

Illustrated Price List on Application.

FOREIGN SELLING AGENCIES:

LONDON—PENROSE & Co., 5 Amwell Street.

PARIS—H. LE SOUDIER, 174 Boulevard St. Germain.

FRANKFORT A/M—FR. HEMSATH, Röderbergweg, 135.

A New Combination Screen.

Patented in the United States, June 19, 1894.

Patented in the leading countries.

Descriptive Circular ready about December 1, 1895, and will be
mailed only to interested parties, on request.

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We have them Both!

ANDRESEN'S AMIDOL.

The Finest Developer yet Introduced.
Most Energetic and Powerful.
In Use by Leading Photographers.

(See Testimonials in the PHOTOGRAPHIC TIMES.)

ALSO

HAUFF'S AMIDOL.

Which is esteemed even higher by
its admirers.

If you are not using one of these AMIDOL DEVELOPERS send for a sample at once.

PRICE LIST.

(THE SAME FOR BOTH.)

In 1 ounce Packages.....	\$0.75
" 2 " " (Hauff's).....	1.50
" $\frac{1}{4}$ pound "	2.75
" $\frac{1}{2}$ " "	5.25
" 1 " "	10.00

Amidol Cartridges (Andresen's) making 16 ounces of Developer.

In Packages of 5.....	\$1.00
" " " 10.....	2.00
" " " 6, AMIDOL CARTRIDGES (Hauff's).....	1.20

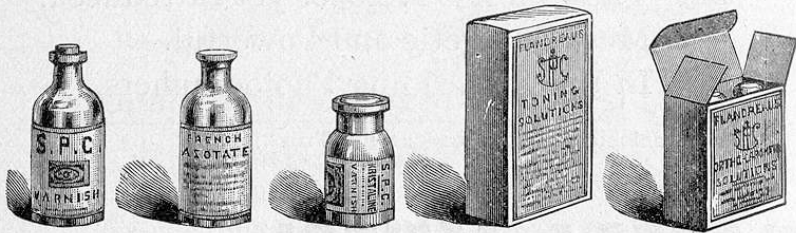
FOR SALE BY ALL DEALERS IN PHOTOGRAPHIC GOODS
AND THE SOLE IMPORTERS

THE SCOVILL & ADAMS COMPANY,
423 Broome Street, NEW YORK.

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The Scovill Prepared Solutions, Powders, Etc.

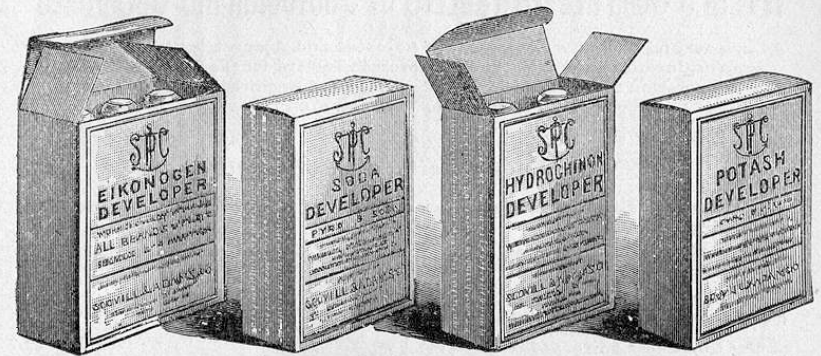
- S. P. C. Retouching Fluid.** (For Varnished and Unvarnished Negatives.) Per bottle, \$0 25
- Magnesium Flash Compound.** Oz. bottle, 50
- Hall's Intensifier.** (For strengthening weak Negatives.) Per bottle, 75



- S. P. C. Negative Varnish.** Per bottle, 35
- French Azotate.** (For toning Prints.) Per bottle, 25
- Kristaline Varnish.** Per bottle, 40
- S. P. C. Orthochromatic Solutions.** By which any Plate may be rendered color-sensitive. Per package, 1 50
- The Columbian Developer.** Complete in one solution. For quick exposures. Per bottle, 30
- J. C. Tabloid's.** Enough to develop eight to twelve dozen 4 x 5 plates, 75
- Wyeth's Compressed Photographic Tablets.** Complete equipment for developing, toning and fixing, 3 00
- Wyeth's Compressed Tablets.** Developing outfit, 1 75
- Wyeth's Compressed Tablets.** Print-toning outfit, 1 75
- Prices of separate bottles of 100 tablets each:
- | | |
|------------------|------------------|
| No. 1.....\$0 75 | No. 5.....\$1 50 |
| No. 2.....30 | No. 6.....18 |
| No. 3.....40 | No. 7.....35 |
| No. 4.....35 | No. 8.....25 |
- Pelletone (Pyro-acid Tablets).** One bottle containing 100 tablets of 2 grains each, 40
- Woodbury Antipyr.** An improved concentrated hardener for Gelatine Plates or Prints. Per bottle, 75
- S. P. C. Acid Fixing and Hardening Compound.** For Negatives, Transparencies, Lantern Slides and Bromide Paper. In one pound package, 25
In one-half pound package, 15

Buy from Dealers or the Scovill & Adams Company.

The Scovill Prepared Solutions, Powders, Etc.



JUST INTRODUCED.

- S. P. C. Eikoquinole Developer.** Per bottle, \$0 35
- S. P. C. Eikonogen Developer.** Per package, 75
- S. P. C. Pyro and Soda Developer.** Per package, 60
- S. P. C. Pyro and Potash Developer.** Per package, 60
- S. P. C. Hydrochinon Developer.** Per package, 60
- S. P. C. Bromide Paper Developer.** Set, 75
- S. P. C. Restrainer.** In accurate dropping bottle, 50



- S. P. C. Clarifying Solution.** Per bottle, 50
- S. P. C. Reducing Solution.** Small bottle, 50
Large bottle, 75
Reduces density in negatives and positives on glass or paper. Can be applied locally to remove halation marks, ghosts, etc.
- S. P. C. Hypo Eliminator.** (For removing every trace of Hyposulphite of Soda from Negatives and Prints.) Per bottle, with book of testing paper, 50

Buy from Dealers or the Scovill & Adams Company.

A GREAT ADVANCE!

WYETH'S COMPRESSED TABLETS OF PHOTOGRAPHIC CHEMICALS

A Compact and Complete Equipment of Adjusted and Accurately Prepared Photographic Chemicals in the Form of Compressed Tablets, for the Extemporaneous Preparation of the Various Solutions Used and Required to Develop and Fix Plates and to Tone and Fix Prints.

No Necessity for Scales.

Dry and Portable.

No Waste or Deterioration of Solutions.

The complete Case contains the following Tablets, with full instructions on each bottle for preparing the solutions

No. 1. DEVELOPING—PYRO.
(Composed of Sulphite of Soda, Acid Pyrogallie, Acid Citric.)

No. 2. DEVELOPING—SODA.
(Composed of Sulphite of Soda, Carb. Soda and Carb. Potash.)

Nos. 1 and 2 when mixed, as directed on the label, constitute the "Developing Solution," or, as sometimes called, "Developer."

No. 3. FIXING AND CLEARING.
(Composed of Sulphite of Soda, Acid Citric, Chrome Alum.)

No. 4. FIXING AND CLEARING.
(Consists of Hyposulphite of Soda.)

Nos. 3 and 4, when mixed, according to instructions on the label, make the Fixing and Clearing Bath, which can be kept for stock solution if so desired.

No. 5. TONING FOR PRINTS—GOLD CHLORIDE.

No. 6. TONING FOR PRINTS—SODA.
Nos. 5 and 6 constitute the Toning Bath; this must be alkaline.

No. 7. PRINT FIXING—HYPOSULPHITE OF SODA.
This can also be used advantageously for stock solution, a few drops of Aqua Ammonia greatly enhancing its value.

No. 8. BROMIDE OF POTASH.
For checking the too rapid development of over-exposed plates.

Any of the above Tablets can also be procured separately.

Price for Complete Equipment, \$3.00.

The **Developing Outfit** containing the following Tablets, with full instructions on each bottle for preparing the solutions:

No. 1. DEVELOPING—PYRO.
(Composed of Sulphite of Soda, Acid Pyrogallie, Acid Citric.)

No. 2. DEVELOPING—SODA.
(Composed of Sulphite of Soda, Carb. Soda and Carb. Potash.)

No. 3. FIXING AND CLEARING.
(Composed of Sulphite of Soda, Acid Citric and Chrome Alum.)

No. 4. FIXING AND CLEARING.
(Consists of Hyposulphite of Soda.)

No. 8. BROMIDE OF POTASH.

For checking the too rapid development of over-exposed plates.

Our Nos. 1 and 2 Developing Tablets are so prepared that those who are in the habit of immersing the plates with Pyro solution first and then adding the Soda, can do so. Our formulas Nos. 3 and 4, for Fixing and Clearing, are of such combination that we dispense entirely with the Alum Bath, thus requiring only two trays to develop and fix the plate.

Price for Developing Outfit, \$1.75.

The **Print Toning Outfit** contains the following Tablets, with full instructions on each bottle for preparing the solutions:

No. 5. TONING FOR PRINTS—GOLD CHLORIDE.

No. 6. TONING FOR PRINTS—SODA.

Nos. 5 and 6 constitute the Toning Bath; this must be alkaline.

No. 7. PRINT FIXING—HYPOSULPHITE OF SODA.

This can also be used advantageously for stock solution, a few drops of Aqua Ammonia greatly enhancing its value.

Any of the above can also be secured separately in bottles of 100 tablets each.

Price for Print Toning Outfit, \$1.75.

Explicit Instructions will be found in the General Pamphlet contained in each outfit.

Prices of Separate Bottles of 100 Tablets each:

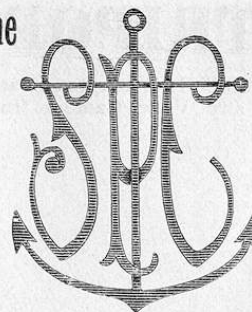
No. 1.....\$0.75	No. 3.....\$0.40	No. 5.....\$1.50	No. 7.....\$0.35
No. 2.....30	No. 4.....35	No. 6.....18	No. 8.....25

For sale by all Dealers in Photographic Goods, and

THE SCOVILL & ADAMS COMPANY.

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The



Something New! Just Out!

Acid Fixing ^{AND}

Hardening Compound

FOR

Negatives, Transparencies, Lantern-Slides and Bromide Paper.

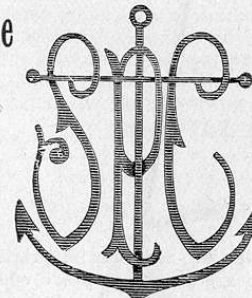
DESTROYS ALL DEVELOPING FOG AND YIELDS PECULIARLY BEAUTIFUL AND PERMANENT RESULTS.

This solution can be used repeatedly, so long as it fixes. It can also be used as a reducer of over density by a long continued treatment.

Price, in one lb. packages, only 25 cts. In one-half lb. packages, only 15 cts.

FOR SALE BY ALL DEALERS.

The



Woodbury Antipyr.

AN

Improved Concentrated Hardener

FOR

GELATINE PLATES AND PRINTS.

Mix one ounce of this solution with ten ounces of water and soak the plate or print therein for from six to ten minutes. Then rinse off and dry. The plate or print thus treated will withstand a heat exceeding 100° F. This solution may be used repeatedly.

Price per bottle, 75 cents.

FOR SALE BY ALL DEALERS.

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THE ALBION TRIPOD.

This is the most elegant Tripod ever introduced. It is adapted to and is firm enough to support without vibration any View Camera from 5 x 7 to 10 x 12 size, inclusive.



The Legs of this Tripod are adjustable as to length, and may be quickly folded. As the binding straps are attached, they are always in place when wanted.

The artistic design and faultless finish of every portion of this Tripod cannot be realized without seeing one, and to use an ALBION TRIPOD means to be fully satisfied, and wish for none other.



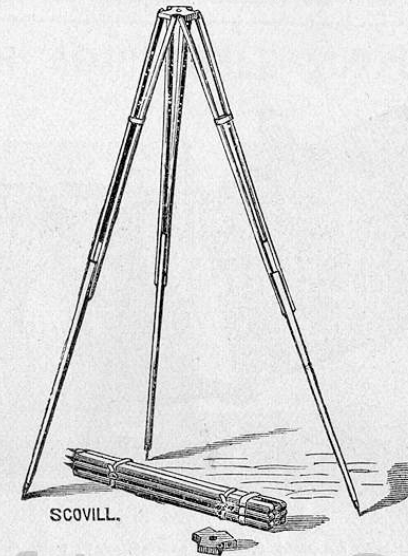
- | | |
|--|--------|
| No. 1, Cherry wood..... | \$4 50 |
| No. 2, " " | 6 00 |
| No. 3, Spruce (very light), price..... | 6 00 |

For Sale by all Dealers in Photographic Materials and The Scovill & Adams Company.

lxxxviii

The Scovill Adjustable Tripod.

(FEATHER WEIGHT.)

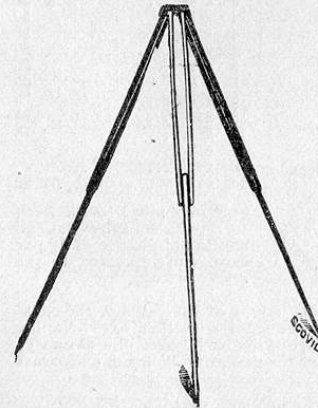


Nothing more compact, certainly nothing as graceful in appearance and light in weight as the new Tripod for out-door Photography, just produced by the American Optical Company, has yet made its appearance. Because so readily adjusted to the utmost irregularity of the earth's surface, it was decided to call it the "Adjustable Tripod." Lady amateurs prefer it to any other pattern on account of its lightness and beauty. The top is covered with billiard-cloth to prevent marring the fine polish on our cameras, and the clamping screws are not detachable.

SCOVILL ADJUSTABLE TRIPOD.

- | | |
|------------|---------------------|
| No. 1..... | Price, each, \$3.50 |
| " 2..... | " " 5.00 |

Scovill Adjustable Jointed Tripod, to fold and pack in a 22-inch Valise..... \$4.00
Do. with Canvas Bag and Handle.. 4.75



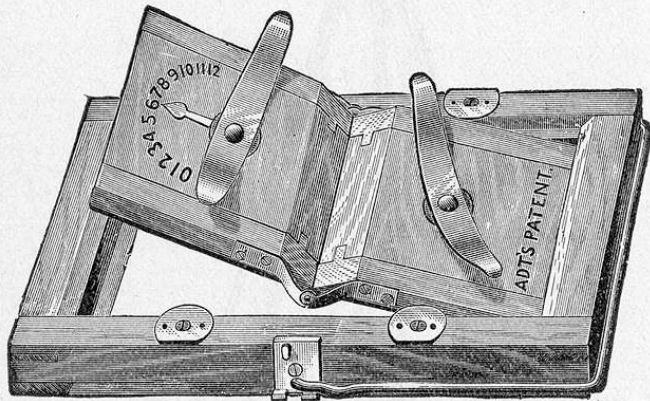
THE IMPROVED TAYLOR TRIPOD.

The illustration here presented makes an extended description unnecessary. Suffice it to say that this tripod is very firm when set up, and folds up compactly by simply pressing together the two upper joints of each leg, thus unsetting them from the pins on the brass top and then doubling them over on to the third joint. This movement is naturally reversed when placing the tripod in position to support the camera.

Price, with metal disc and non-detachable screw.....\$2.25 each.
Adapted for cameras from 1-4 to 8x10 size.

lxxxix

ADT'S PATENT PRINTING FRAMES.



These Frames are now supplied (without extra charge) with Adt's Patent Support with which the frame can be stood on either end, and at four different angles, for exposure while printing. It is out of the way of the printer when introducing the paper, or examining the print, for when the frame lies or is held with back up, the support instantly drops upon its stops for rest, and is entirely out of the way of the hand of the printer, so that he may remove or open the back-board, or replace it, as if there were no support present. Being arranged close around the sides and ends of the frame, it occupies so

little space as not to interfere with the packing or storage of the frames, and when the printer places his frame for exposure the support readily finds its position for supporting the frame without any special manipulation.

PRICES.

3¼ x 4¼	.....	\$0 50
4 x 5	.....	50
4¼ x 5½	.....	50
4¼ x 6½	.....	60
5 x 7	.....	65
5 x 8	.....	65
6½ x 8½	.....	75
8 x 10	.....	85
10 x 12	.....	1 15
11 x 14	.....	2 15
13 x 16	.....	2 40
14 x 17	.....	2 80

When made with back to open lengthways, an additional charge of 10 per cent. will be added to the above prices.

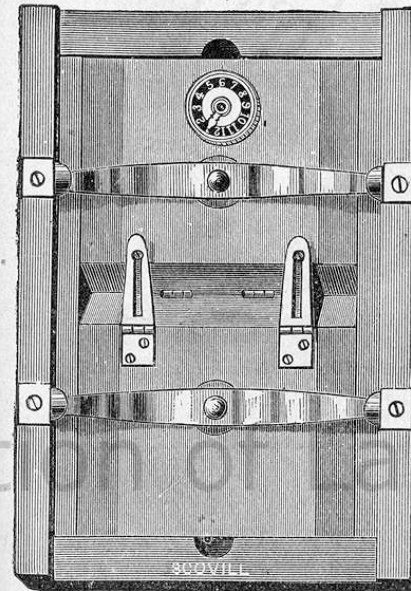
As will be seen by a glance at the cut, the adjacent edges of the parts of the back-board are beveled outward, and the hinges placed on the sides with their axes on a line with the surface. This permits the attachment to the face of the back-board of a **Heavy, Continuous Elastic Felt Pad**. This obviates the necessity of using a separate pad, which is so easily misplaced and lost.

For Sale by all Dealers in Photographic Materials and The Scovill & Adams Company.

IRVING PRINTING FRAMES

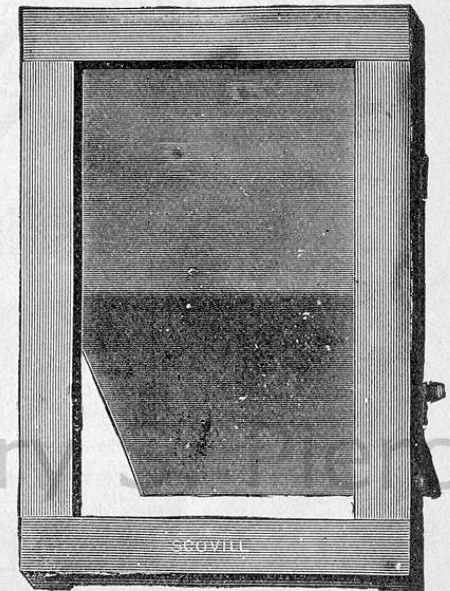
WITH ADJUSTABLE SUPPORTS.

(PATENTED.)



IRVING PRINTING FRAME, CLOSED

FRONT VIEW.



IRVING PRINTING FRAME, OPEN.

BACK VIEW.

The IRVING FRAMES have valuable features which cannot be copied. They are in workmanship, design, and other respects, superior to all other printing frames.

The continuous felt pads made especially to order for us, insure absolute protection and uniform pressure throughout. The Irving Patent Catches lock the back, so that when one flap is open there is not the slightest danger of the flaps, paper or negative slipping.

The springs are cut by dies of specially tempered and tested metal, and are riveted to the backs with washers underneath to protect the wood-work.

The IRVING FRAMES are made of cherry guaranteed not to warp or crack. The tally does not depend upon any other part of the frame to lock it, for the pointer will remain in place no matter what is done to other parts of the frame.

Prices for Half or Two-thirds Opening Styles.

3¼ x 4¼	.....	.45	5 x 7	.....	\$.60
4 x 5	.....	.48	5 x 8	.....	.65
4¼ x 5½	.....	.50	6½ x 8½	.....	.70
4¼ x 6½	.....	.55	8 x 10	.....	.80

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

For Sale by all Dealers in Photographic Materials and The Scovill & Adams Company.

Time and Instantaneous

For general use.

Silent Studio

For use when quiet is desired.

Focal Plane

To take objects having great rapidity of movement.

Range of speed, from $\frac{1}{25}$ to $\frac{1}{1000}$ part of a second.

THORNTON-PICKARD SHUTTERS

Sole Agents for the United States,
Andrew J. Lloyd & Co.
 OPTICIANS,
 323 & 325 Washington Street, Boston.
 DEALERS IN PHOTOGRAPHIC SUPPLIES.
 Price List and Catalogue on application.

ESTABLISHED 1869.

OELSCHLAEGER BROS.

42 East 23d Street, New York.

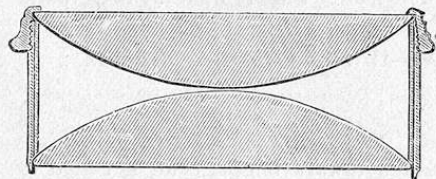
IMPORTERS AND MANUFACTURERS OF

Optical Instruments.

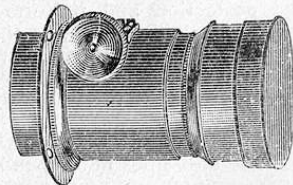
STEREOPTICONS,
 MAGIC LANTERNS.

Photographic Lenses and
 Condensing Lenses and Objectives

FOR STEREOPTICONS.



xcii



Glass FOR MAKING LANTERN SLIDES.

DARLOT LENSES
 A Specialty.

EASY RIDING ON A Monarch

ABSOLUTELY THE HIGHEST POSSIBLE GRADE IN ALL RESPECTS
 FIVE MODELS—WEIGHTS 18-25 POUNDS
 PRICE \$85.00 TO \$100.00
 EVERY MACHINE FULLY GUARANTEED—CATALOGUE SENT FREE—UPON APPLICATION

MONARCH CYCLE CO.
CHICAGO

MAIN OFFICE AND FACTORY
 LAKE AND HALSTED STS.
 RETAIL SALESROOM 280 WABASH AVE
 EASTERN WAREHOUSE 97-99 READE ST, NEW YORK

BRANCHES
 SAN FRANCISCO SACRAMENTO
 SALT LAKE CITY PORTLAND
 DETROIT LOS ANGELES

KING OF ALL BICYCLES

LAKESIDE ENG. CO. CHIC.

xciii

Three Up-to-Date Illustrative Methods



COLORITYPE.—Reproduces on paper, in any size and in the exact form, all the varied hues and colors of natural objects, paintings, etc., in marvelous fidelity, by the sun-truth of photography. In effect, this is applied photography in colors. Perfect uniformity is obtained in editions of any size, whether one hundred or one million.

In the Coloritype there is not the loss of the individuality of the artist which occurs in all other practicable color methods.



DUOGRAPH.—Obtains the depth and richness of photogravure, or the sharp and delicate effect of an etching, combined with the soft detail of half-tone. May be printed in any color, and produced from objects, photographs, drawings or engravings. Editions may be of any size; cost far below that of any equivalent process.

This method is a surprise to those unfamiliar with its varied resources, and it is especially suited for effective reproductions of photographs.



HALF-TONE.—Our plates for single-color work are of superlative quality. The first in America to make half-tones commercially, we are, to-day, producing the best work. Our processes enable us, further, to obtain good plates from very difficult subjects, which under ordinary treatment would be unsatisfactory. Subjects intelligently considered; prices moderate; delivery prompt.

The leading magazines of America have for years used our half-tone plates, and are still our customers.



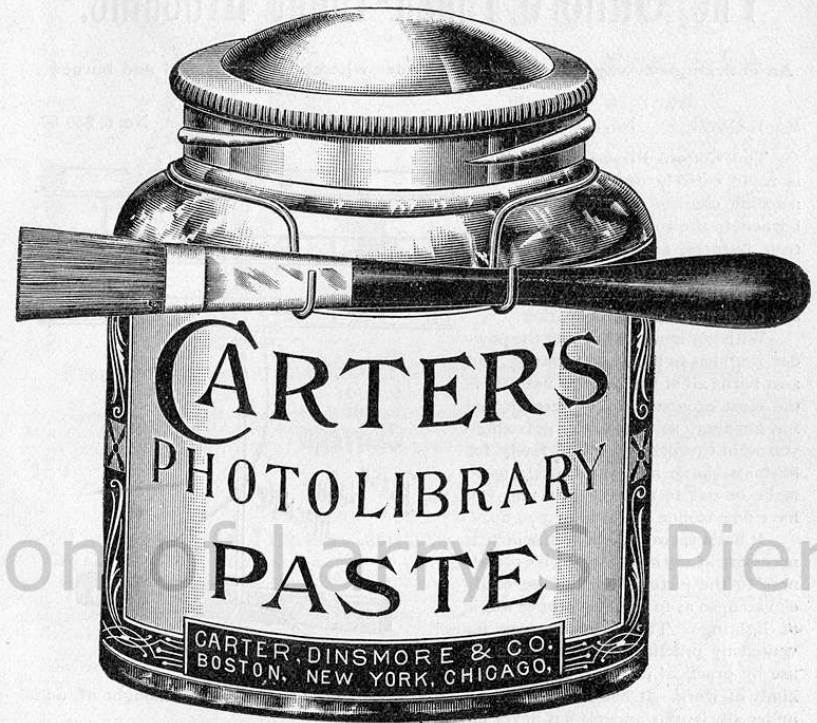
Samples in any of these advanced methods, with prices, on application to

COLORITYPE COMPANY,
32-34 Lafayette Place, New York.

W. KURTZ, President.

xciv

A New Discovery in Mountants.



It is white, smooth, and sticks like a car window. . .
will not cockle, warp or sour, and is uniform and
always ready for use.

Glacé Prints mounted smooth with their gloss undimmed.

No pressure needed in mounting Collodion Prints. . . .

For Sale at all Dealers.

CARTER, DINSMORE & CO.,

BOSTON, . NEW YORK, . CHICAGO,

Makers of **Carter's** Inks, Mucilage, Type-Writer Ribbons, Carbon
Paper, etc., all of which are

"Far and Away the Best, Because Scientific."

xcv

This is the Machine which has stood the Test of Time and came out Victorious.

The Clifford Flash-Light Machine.

(PATENTED.)

An entirely new way of burning the powder whereby all is burned and burned instantly.

No. 1, \$18 00 No. 2, \$26 50 No. 3, \$35 00 No. 4, \$26 50 No. 5, \$35 00

The Clifford Flash-Light Machine is made entirely of metal. The full machine consists of three rows of six burners to the row, or one row of sixteen burners, and with this machine you can burn more powder and therefore get more light, if necessary, than with any other machine on the market.

With our mode of burning the powder, it all has to burn and instantly, and as it burns all of the powder used, it is the most economical. We use alcohol for burning, so when you get where you want to work you are all ready for business, have no gas connections to make or gas to manufacture, and you have no gasoline can to blow you up.

It has a spread of six feet, which is necessary in any machine, to give roundness to the picture. It can be easily elevated, so as to get the proper angle of lighting. This machine was invented by practical photographers for use by practical photographers for all kinds of work. It has been tested for all kinds of work that could be thought of, and under all circumstances it has never failed.

With either size machine is sent a neat, malleable iron stand of our own design, very light, rigid and strong, a carrying case, bulb and tube. No. 1 Machine consists of one row of six burners. (See cut of No. 3 Machine above, showing three rows of burners.) This gives a spread of six feet, which is necessary to give roundness to the picture. The No. 2 Machine consists of two rows and twelve burners—six to the row—each row six feet long. The No. 3 Machine has the same form as the No. 2 Machine, only one row less of burners. The No. 4 Machine consists of one row, the same as No. 1, except that instead of six burners it has twelve burners, and same capacity as No. 2. No. 5 is same as No. 1, except that it has sixteen burners, and packs into a little smaller compass than No. 1, and has nearly the capacity of No. 3. No. 5 packs, stand and all, into a box 2x6 in. and 6 ft. long. Nos. 4 and 5 are made for those who wish a more compact machine than Nos. 2 and 3, and do not care for the spread of light which they have.

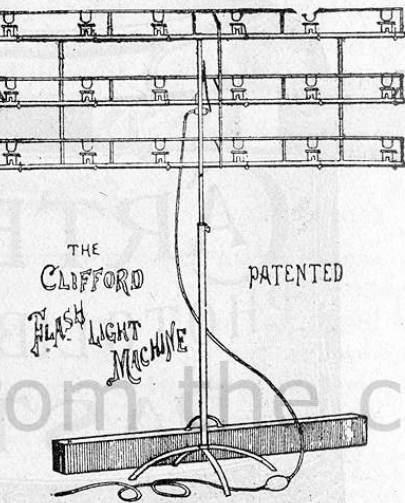
The full machine packs into a box 4x5½ inches and 6 feet long, which is nicely stained and can be used as a carrying case. The full machine's weight is from seven to ten pounds. The machine can be set up and taken down in from one to five minutes.

This machine is fully guaranteed. Photographs showing work done with the machine will be sent on request. Full instructions will be sent with each machine.

We have applied for a patent on a Smoke Retainer, and when placed on the market this great improvement will be furnished only on our machines. It will be so arranged that it can be fitted to the present Nos. 1, 4 and 5.

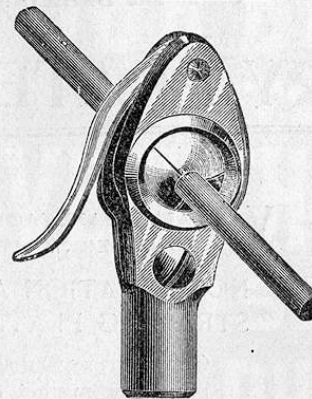
CLIFFORD & CO.,
INVENTORS AND MANUFACTURERS.

THE SCOVILL & ADAMS CO. OF NEW YORK,
GENERAL EASTERN AGENTS.



WHITE'S Requisites in Posing and Lighting for the Studio.

White's Patents



OTIS C. WHITE,

Worcester, Mass., U.S.A.

P. A. OF A., 1888.

"For superior excellence in mechanism, quality and efficiency of movement, afforded by the Adjustable Extension movement in Slide-Rod, Ball and Socket Joints, as embraced in mechanical appliances directly and especially designed and adapted for the photographic studio."

E. DECKER, *President.*

C. W. MOTES,

F. W. GUERIN,

Vice-Presidents.

W. H. POTTER, *Secretary.*

G. M. CARLISLE, *Treasurer.*

From the Massachusetts Charitable Mechanic Association, Boston.

FOUNDED 1795.

"Great ease and rapidity of adjustment in any desired position. A most valuable acquisition in mechanical movements, and one which, in the opinion of the judges, is in every particular worthy of the 'Highest Award' in their power to bestow."—GOLD MEDAL.

ANDREW J. GUSTIN,

DAVID W. POND,

SAMUEL F. SUMMERS,

Judges.

Awarded Medal Franklin Institute, Philadelphia, Pa., U. S. A.

"The joint, while being superior in the convenience and rapidity of its adjustments and firmness of its grip, and supplying a new and additional movement to the ball joint, can at the same time be more cheaply manufactured than any other device known to your committee which will accomplish the same purposes."

[Signed,]

S. LLOYD WIEGAND,

Chairman of the Committee on Science and the Arts.

[Signed,]

WM. H. THORNE,

Chairman Sub-Committee.

THOS. P. CONRAD, W. M. McALLISTER,

D. E. CROSBY, LOUIS H. SPELLIER,

C. CHABOT.

Medal and Diploma at Wiesbaden by the German Society of Photographers, 1891.
Highest Distinction, Geneva, Switzerland, 1893.

Five Awards, World's Columbian Exposition, Chicago, 1893.

By a systematic application of this new mechanical principle instant adjustment and fixation to any desired position of the subject is obtainable.

WHITE'S POSING CHAIR, with either iron or wood bases. Patented October 27, 1891. Interchangeable parts. Easily adjusted in correct proportion for a large or small person.

WHITE'S IMPROVED POSING SUPPORTS, two styles. Prices reduced.

WHITE'S IMPROVED PHOTOGRAPHIC CHAIR HEAD-RESTS, with attaching plates for furniture or other chairs. Will follow the head to all positions, and is instantly secured by a single touch.

WHITE'S BABY HOLDER. Telescoping standard. For maintaining the child comfortably in pose without showing any of the supporting means, displaying child's draperies and in scenic effects.

WHITE'S IMPROVED PHOTOGRAPHIC HEAD SCREENS, three styles. Side Shades, square, oval or round. Great range of movement in any direction.

CAMERA TRIPOD HEAD, two sizes. Camera may be instantly leveled and directed without moving tripod legs.

The patterns have all been reviewed and improved and prices reduced.

Send for Catalogue. For sale by all leading dealers.

OTIS C. WHITE,

Worcester, Mass., U. S. A.

Mention this ANNUAL.

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AMERICAN



Are QUICK,
CLEAR
and BRILLIANT.

Just what you
want for
First-class
Prints.



DRY PLATES

ARGENTIC PLATES
FOR POSITIVE
PICTURES.

No bath required; will dry
over a flame; are easily worked,
and give beautiful results.

WE ALSO MANUFACTURE
TO ORDER . . .

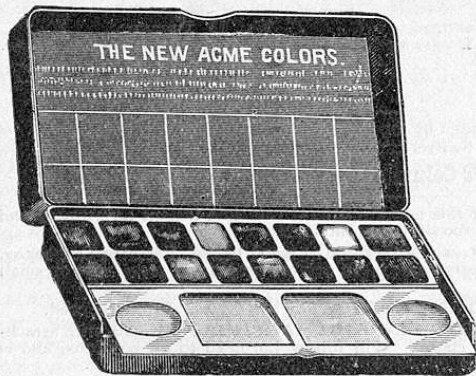
NON-HALATION AND
STRIPPING PLATES.

Our LANTERN SLIDES will
be in the market soon.

AMERICAN DRY PLATE CO.,

WORCESTER, MASS.,
U. S. A.

THE NEW ACME Transparent Water Colors



For Coloring Photo-Portraits or
Views, Lantern Slides, Trans-
parencies, Engravings, Etc.,
on any kind of paper.

KEPT BY DEALERS IN
ARTISTS' MATERIALS.

Send for Descriptive Circular.

PRICE.

Box Complete, . . .	\$2.50
Amateur Box, . . .	1.00
Single Colors, . . .	.25
Acme Medium, . . .	.35

THESE are not liquid colors, but are moist and put up in cups: the complete sets being contained in a handsome tin case, which also contains palettes and directions for use. They are easy to apply: very effective and more durable to light than any liquid colors. And as they are sold in a condensed form, greater strength can be secured than with the diluted liquid colors. They are also more economical, as they neither spill, freeze nor precipitate.

Each set now contains New Rose, Scarlet, Flesh, Gold, New Violet, Deep Blue, Dark Brown, Neutral Tint, Deep Yellow, Dark Green, Blue Gray, Carmine, Blue Black, Brown Madder, Pink Madder, Chinese White Opaque, 16 colors in all, and all are transparent except the Chinese White. No difficulty in burnishing photos after coloring.

The Acme Transparent Water Color Co., 84 E. Adams St., Chicago, Ills.

**OUR BUSINESS
IS TO SELL
EVERYTHING
USED IN
PHOTOGRAPHY
DOUGLASS & SHUEY CO.
111 STATE ST CHICAGO.**

THE "BOSTON MAT" was designed by WM. G. REED, of the Boston Camera Club, for the purpose of simplifying the task of mounting slides, having the openings all *harmonious*, if not uniform, and to enable the maker to so prepare a set that all will "register" when projected.

TESTIMONIALS.

MR. WM. G. REED,
Dear Sir:—Your mat is the "greatest labor saving invention of the age." Please send me two hundred more.

MR. GARRISON REED,
Dear Sir:—I have just returned from Japan with several hundred unmounted slides, which I wish to mat with the "Boston Mat." I have told many people of the excellence of your mat, and shall continue to do so, for to me it seems the only sensible one.

MR. WM. G. REED,
Dear Sir:—I have found your ingenious lantern-slide mat exceedingly convenient and useful.

The originals of above letters may be seen in our New York Office.

The Boston Mat,

PRICE, 50 CTS. PER HUNDRED.

Is for sale by the trade generally. If your local dealer has none, send order to

THE SCOVILL & ADAMS CO.,

SOLE AGENTS,

423 BROOME ST., NEW YORK.

Our Celebrated Walpole Hypo. "New Process Walpole Hypo."
 (Regular "Old Style" Large Crystals.) *Trade Mark.*
PUREST HYPO MADE.

Pure Walpole Sulphite Soda.


Products Unsurpassed.

ACETIC ACID,
 ACETATE OF LEAD,
 ACETATE OF SODA,
 ALUM POTASH,
 ALUM CHROME,
 CARBONATE SODA,
 COPPERAS,
 IRON SULPHATE,
 OXALATE POTASH,
 POTASH CARBONATE,
 SODA ACID SULPHITE.

Produce Fine Negatives.

Perfect Results.

Book on "Hypo" free. **Photos Exquisite.**

 We do not solicit retail trade. Where consumers cannot obtain our products from their usual sources of supply, we will furnish them on application; but it must be understood that in these cases we charge the full retail prices, and that cash must accompany the order.

Send 5 cents (stamps) for each sample or 25 cents (stamps) for 6 samples.

Walpole Chemical Co.,
 Walpole, Mass.

ABSOLUTELY PURE.



We have at last obtained a Photo Blotting Paper (THE ALBION) which is absolutely chemically pure. It is a very different article from ordinary blotting paper, which always contains more or less impurities that are injurious to photographic prints. This paper may be used in the most delicate photographic operations with perfect safety. We had it especially made for photographers' purposes, and can unhesitatingly recommend it.

Price per Half Ream, - - - \$12 00
 " " Dozen Sheets, - - - 72

ASK YOUR DEALER FOR

ALBION (100 lb.) PHOTO BLOTTING PAPER.

THE SCOVILL & ADAMS CO., Sole Importers.

THE AMERICAN PHOTOGRAPHIC PAPER CO.

.. Manufacturers of ..

PHOTOGRAPHIC PAPER

PLAIN PAPER in Sheets for Albumenizing, Salting and Matt Surface work.
 Also in rolls for Baryta Coating, Solar Enlargement Printing, Bromide, etc.

Unprepared Blue Print Paper in Rolls.

Heavy, Medium, Thin and Extra Thin Grades.

Widths, 27, 30, 36, 42 inches.

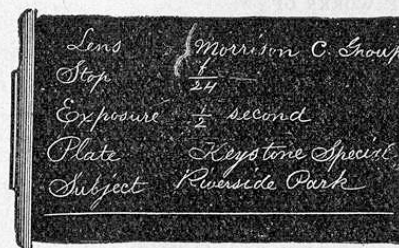
OFFICE :

2304 WASHINGTON STREET, BOSTON, MASS., U. S. A.

MANUFACTURED AT MILLS OF

Hurlbut Paper Manufacturing Co., South Lee, Mass., U. S. A.

REGISTERING SLIDES.

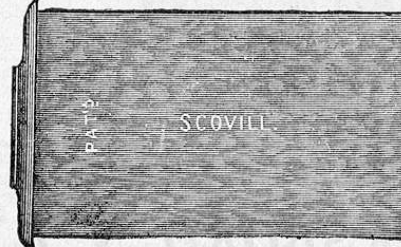


IN the pleasure or excitement attendant upon picture-taking, holders and slides have been so changed about that the note-book afforded no clue to their identity. All photographers, whether professional or amateur, who have in time past puzzled their brains in the endeavor to solve such vexatious questions as these:

"Have I or have I not exposed that plate?"
 "If exposed, was the plate used for that prized picture?"
 "Shall I incur the risk of making a double exposure?"

henceforth will have themselves only to find fault with if they do not procure and use in their dry-plate holders the patent registering slides, or as they have been called "Record Slides." These can be written upon with slate or lead pencil *ad libitum*, and the writing erased without injury to them.

Patent Registering Slides are supplied with all American Optical Co. Dry Plate Cameras and Amateur Outfits up to 10 x 12 size without addition to price list.



"A Jar of Mounting Paste, please,"

says Inexperienced, and gets what the dealer pleases.

"A Jar of

Higgins' Photo Mounter,"



(In screw-cap jars only.)

says Experienced, and gets what pleases him. The difference is in the articles, and the moral is, if you want a *good thing* ask for it.

HIGGINS' PHOTO MOUNTER is a beautiful pure white adhesive, delicately scented. Perfectly homogeneous and semi-solid, and hence the water never separates from the pulp, leaving the latter to shrivel up, as in all common flour-and-water pastes. Guaranteed never to change or deteriorate. Unequaled for mounting photographs, textile samples, scrap-book, tissue work, and general use as a substitute for mucilage.

FOR SALE BY ALL PHOTO SUPPLY HOUSES.

A 3-oz. jar, prepaid by mail, for thirty cents, or descriptive circulars for nothing,

—FROM—

CHAS. M. HIGGINS & CO.,

Sole Manufacturers,

168-170 Eighth Street,

Brooklyn, N. Y., U. S. A.

LENSES

MADE AT THE WORKS OF

WALE & MATHEIN, Opticians,

are, considering the **quality, workmanship** and **price**, without a doubt the best and cheapest lenses in the market.

R. R. Lenses, plain mounts,	from \$6.00 to \$30.00
R. R. Lenses, excellent shutter,	10.00 " 40.00
Wide Angle Lenses, plain mounts,	5.00 " 20.00
Wide Angle Lenses, anastigmatic,	10.00 " 100.00 and over.

All Lenses are guaranteed and sent on 5 days' trial.

Descriptive Catalogue and Circulars Free on Application.

MARKSBORO, N. J.

SPHINX PHOTOGRAPHER'S PASTE.

STRICTLY NEUTRAL
KEEP CLOSED WHEN NOT IN USE

DOES NOT SPOIL
UNSCREW FROM RIGHT TO LEFT

TRADE MARK

MANUFACTURED BY
The ARABOL MANUFACTURING CO.
13 GOLD ST. NEW YORK.

"NON-COCKLE,"



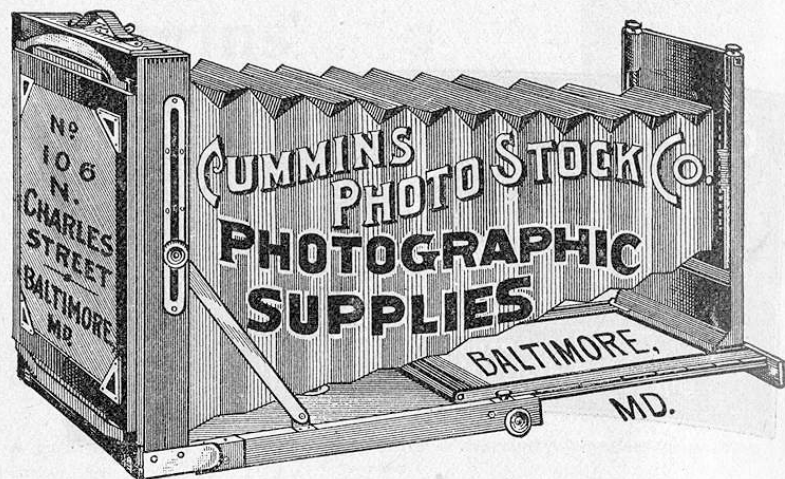
FOR Mounting Prints.



GUARANTEED : NOT : TO : COCKLE.

40 CENTS PER BOTTLE.

For Sale by all Dealers in Photographic Goods.



THE MORRISON WIDE-ANGLE VIEW LENSES.



These Lenses are absolutely rectilinear; they are the most rapid, and are universally conceded to be the **BEST WIDE-ANGLE LENSES MADE.**

No.	Diameter of Lens.	Size of Plate.	Equivalent Focus.	Price.
0...	1 inch..	3½ x 2½ inch.	.....	\$20 00
3...	1 " "	4½ x 4½ " "	.....	25 00
4...	1 " "	5 x 8 " "	..... 5¼ inch, each,	25 00
5...	1 " "	6½ x 8 " "	..... 6½ " "	25 00
6...	1 " "	8 x 10 " "	..... 8 " "	30 00
7...	1½ " "	11 x 14 " "	..... 10½ " "	40 00
8...	1½ " "	14 x 17 " "	..... 14 " "	50 00
9...	1½ " "	17 x 20 " "	..... 17 " "	60 00
10...	1½ " "	20 x 24 " "	..... 22 " "	80 00
11...	1½ " "	25 x 30 " "	..... 28 " "	100 00

Nos. 1 to 6 are all made in matched pairs for stereoscopic work. The shorter focused Lenses are especially adapted for street and other views in confined situations. For general purposes, a pair of No. 5 Lenses will be found most useful.

For Sale by all Dealers in Photographic Materials and The Scovill & Adams Company.

E. J. PULLMAN, Established 1875.

PHOTOGRAPHIC SUPPLIES,

935 Penn'a Avenue, WASHINGTON, D. C.

Cameras	Photographic Novelties	Developing
Lenses	and Everything	Printing
Dry Plates	Pertaining to Photography	Copying
Card Mounts	Views of Washington	For Amateurs and
Chemicals	and of Mt. Vernon	the Trade

BRANCH: E. J. PULLMAN & SON, 459 PENN'A AVENUE.

The Regent Album. Interchangeable Leaves.

MANUFACTURED AND PATENTED BY

FELIX REIFSCHNEIDER,

NEW YORK, U. S. A.

For Sale by all Photo. Stock Dealers, Booksellers and Stationers.

THE SCOVILL & ADAMS CO. OF NEW YORK,
Trade Agents.

"IMPERIAL"
MAGNESIUM FLASH LAMP,
\$4.50.

"NOW-THEN,"
or, FLASH LIGHT WONDER,
\$2.00.

AWARDED MEDAL OF EXCELLENCE
BY AMERICAN INSTITUTE.

PATENTED DEC. 17, 1889. BEWARE OF INFRINGEMENTS.

For Sale by all Dealers.

MANUFACTURED BY

H. B. SHELDON, JR.,

96 & 98 WATER AND 130 & 132 PEARL STREETS,

New York.

Flash Lamps.

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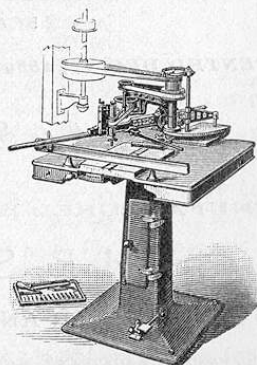
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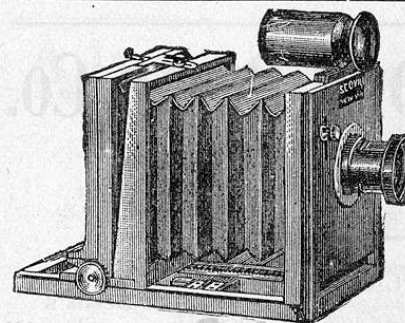
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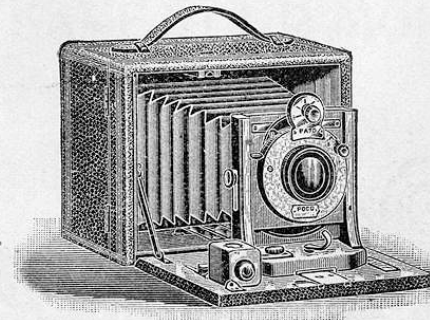
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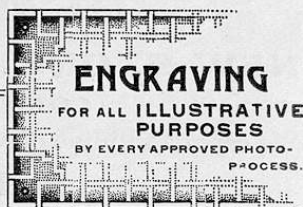
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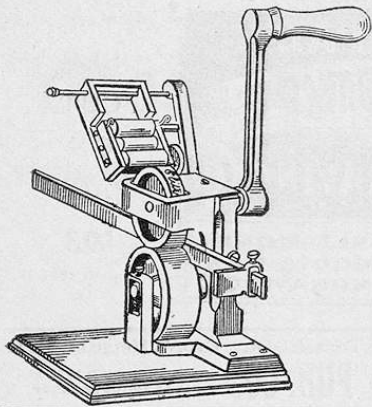
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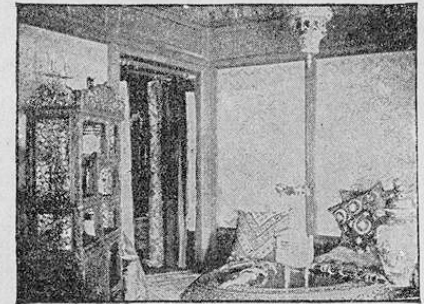
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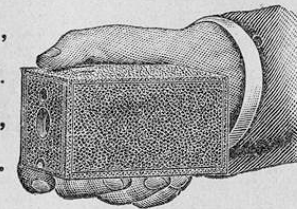
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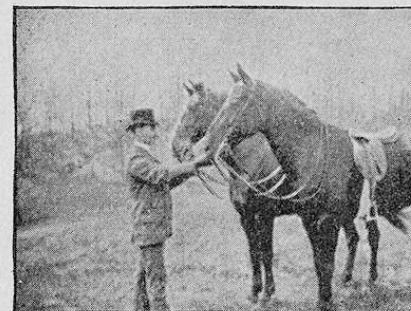
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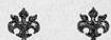
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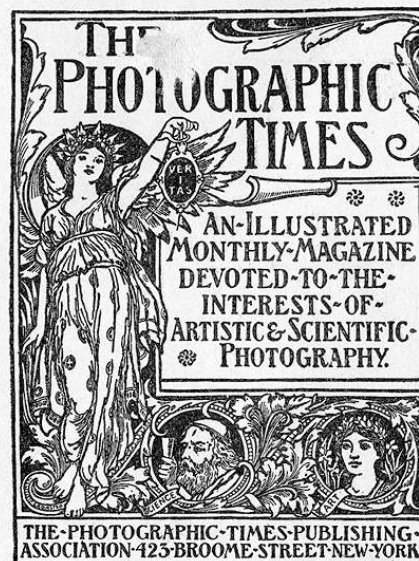
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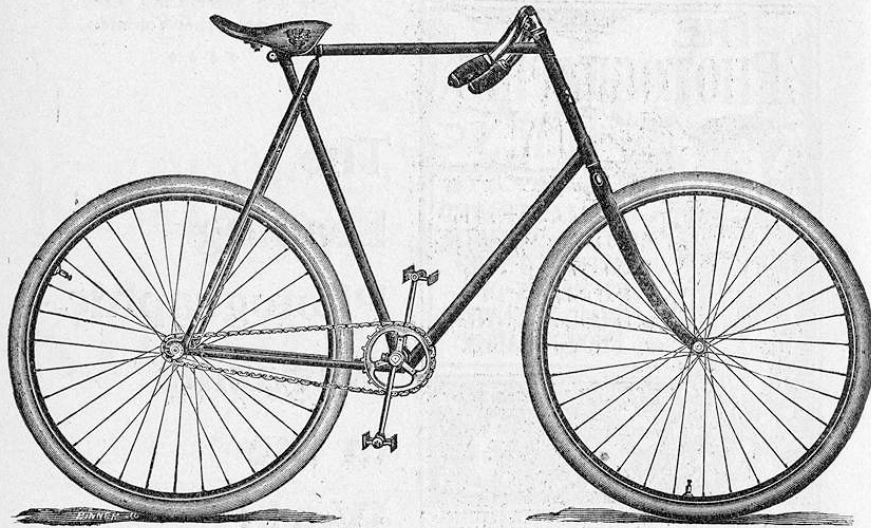
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