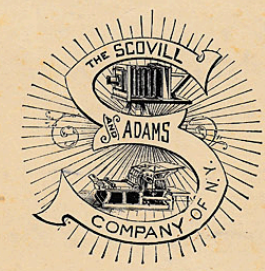


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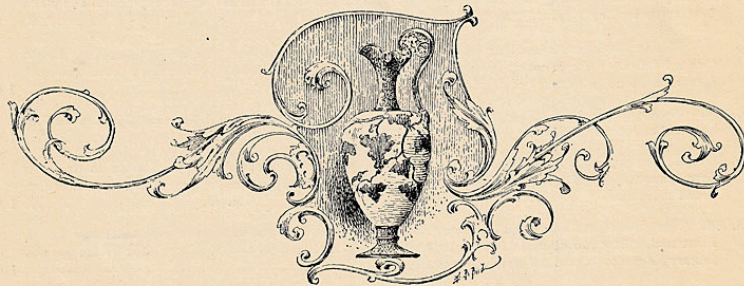
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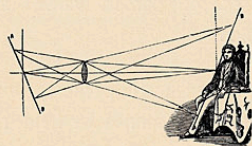
THE AMERICAN OPTICAL COMPANY was established in 1856. Then the demand for cameras was quite limited. Many additions have been made to the factory since that time to keep pace with the growth of photography. The apparatus made by the American Optical Company has never been equaled in originality of design, excellence of workmanship, or fineness of finish. When we add that only the most highly skilled workmen are employed, and nothing but the choicest selected material used, it will be understood why the American Optical Company's cameras have always held the highest rank not only in this country but also in the West Indies, Mexico, Central and South America, Canada, Australia, and even in England.

The popularity of this apparatus has at various times caused unscrupulous dealers to try to palm off inferior cameras as of the American Optical Company's make; so we advise purchasers to examine cameras to see that they have the maker's name stamped in the woodwork and a name-plate on them.

All of the portrait cameras described in the following list are sold at the same price whether fitted with dry or wet plate holders. When ordering please give marginal numbers.

A remittance is required of one-third of the amount of the proposed purchase when apparatus must be made to order.

When the Swing-Back was introduced in our factory the following description, applicable to portrait work, was published in Mr. Lake Price's book "*Photographic Manipulation*."



"On focusing a subject in which the lines are inclined from the direct vertical, as in sitting figures, etc., it will be found impossible to bring the lower projecting portions into perfect focus with the upper retiring parts. Now, if the position of the film is judiciously altered by means of the Swing-Back, the portions defective in focus will be seen to assume equally correct definition with the rest of the subject.

"This treatment also applies to subjects in which one or the other side is nearer to the lens; by slightly altering the lateral distances, both sides come in focus. The operator can avail himself of both these movements simultaneously.

"It must be observed that although the 'Swing-Back' is useful in a modified degree, when 'short focus' lenses are employed, much discretion must be exercised by the operator not to cause an elongated distortion of the face and person of the sitter, by extreme and injudicious use of it."

THE PHOTOGRAPHIC TIMES.

THE PHOTOGRAPHIC TIMES commenced its career twenty-five years ago as a little eight-page monthly, published by The Scovill Manufacturing Co. The sprightly little magazine made such rapid strides that it soon became necessary to make important changes, and J. Traill Taylor, editor of the British Journal of Photography, was engaged to edit it. It rapidly increased its influence and soon became the leading organ of photographers, both professional and amateur, in this country, a position it has held ever since. It has always been abreast the first wave of progress. In 1881, when the Photographers' Association of America held its annual convention in New York, the PHOTOGRAPHIC TIMES appeared regularly every day throughout the entire convention, giving full proceedings of the day previous.

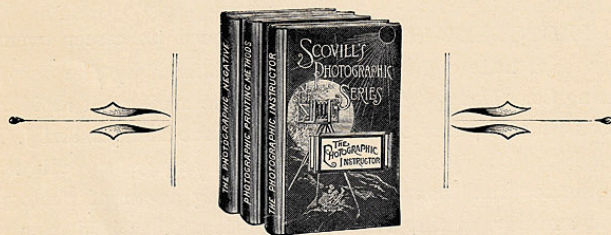
Many other important changes and improvements were made from time to time. With the beginning of the present year (1895) it was converted into a 64-page artistic and scientific magazine of the very highest order. Mr. Walter E. Woodbury—who is well-known in this country and in England as a practical worker, and the author of many books on photographic subjects—became editor.

Each (monthly) issue of the magazine in its present form is a veritable work of art. It is printed on the finest quality of paper, and besides a beautiful photogravure frontispiece, contains from fifty to a hundred illustrations by the half-tone and other processes. Many of these are reproductions from the choicest photographs of the best known photographic artists. They form valuable guides to pictorial work for the student.

The articles are all by the ablest authors and deal with photography in all ways. All the latest processes and inventions are chronicled.

It is published monthly by The Photographic Times Publishing Association, at 423 Broome Street, New York City, and the annual subscription is \$4.00. It will be sent for six months for \$2.00, or three months for \$1.00. Sample copy, post-paid, for 35 cents.

The S. & A. Photographic Series.



THE PUBLICATIONS constituting the S. & A. Photographic Series (now numbering fifty different books) are for the most part uniform in the size of page, type and the style of binding. They are Royal Octavo books, printed in good, clear type on heavy book-paper, and are neatly and substantially bound in cloth and paper. The external appearance of most of the books is indicated by the cut. Every book in the series is written by an authority, and each contains matter of the greatest value to the practical photographer, be he professional or amateur. It will be noticed that some of the earlier numbers are out of print. These it will be impossible to supply, as they were printed from type which has long been distributed. The later numbers of the series are all printed from plates. These books can be obtained of any dealer in photographic goods, booksellers, or will be sent post-paid on receipt of price by the publishers, with the exception of "The Times Annuals."

Cameras for Studio Use.

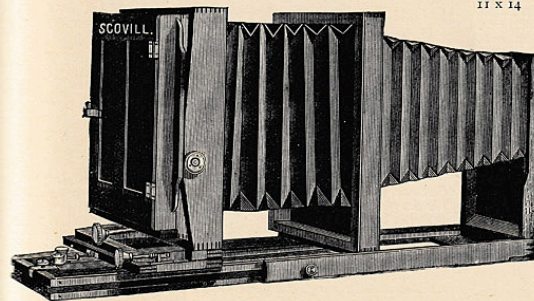
American Optical Co.'s Highest Grade Portrait Cameras.

The American Optical Co.'s Portrait Cameras are manufactured from the best mahogany, French polished. They have India-rubber bellows, the V-shaped wooden guides, and, in sizes up to 8 x 10, are made with a focusing cam.

Larger sizes, 8 x 10 and upwards, are furnished with our telescopic platform and have Lever Focusing Attachment, by which the most delicate focus can be adjusted with the utmost facility and ease.

The attention of operators is especially called to the Double Swing-back on these fine Studio Cameras. When lenses of short focal length are used, the face is very often distorted, unless the operator tips his camera, and even then he is apt to get the face elongated or widened, unless he is very careful. Any operator who has been annoyed by being unable to reflect the image upon the ground glass without distortion, will see how completely this arrangement overcomes the difficulty.

Very often it is desirable to get a little more of the lower or upper part of the figure, or of one side more than the other in the picture than can be done with the old style camera, without moving the person or the camera. This can be done quickly by means of the Double Swing-back, which allows the operator to make any change, laterally or vertically, he desires, until the figure is properly delineated on the ground glass.

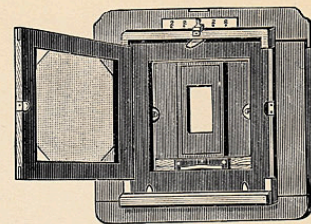


Sizes and Prices of American Optical Co.'s Portrait Cameras.

No.	Size.	To Cover Plate.	With Double Swing back.
1.	1-4.	3 1/4 x 4 1/4 inches.	\$20 00
2.	1-2.	4 1/4 x 5 1/2	27 00
3.	1-2.	4 3/4 x 6 1/2	30 00
4.	4-4.	6 1/2 x 8 1/2	35 00
5.	Extra 4-4.	8 x 10 ins., with platform 30 in. long.	38 00
6.	10 x 12	36	45 00
7.	11 x 14	48	64 00
8.	12 x 15	48	72 00
9.	14 x 17	60	76 00
10.	16 x 20	65	88 00
11.	17 x 20	65	90 00
12.	18 x 22	70	100 00
13.	20 x 24	72	110 00
14.	22 x 27	72	130 00
15.	25 x 30	80	170 00
16.	30 x 38	100	350 00

These Portrait Cameras are fitted with the Waterbury Curtain Slide Holders unless Bonanza Holders are wanted, and that preference is indicated when order is given.

Attachments for American Optical Co.'s Portrait Cameras.



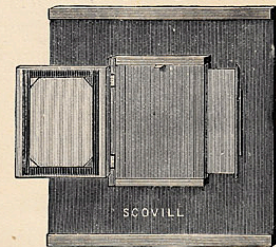
These attachments can, without bother, be laid aside when large-sized pictures are to be taken, and be replaced when Imperials or smaller pictures are to be made.

In ordering these, it will be necessary to specify name of camera in use, and the outside size of holder, to guard against possibility of error, and also to state whether Waterbury or Bonanza Holder is desired.

Size.	Price
8 x 10 Holder and Attachment for No. 7 Camera, 11 x 14.	\$22 00
8 x 10 " " " " 9 " 14 x 17.	26 00
8 x 10 " " " " 11 " 17 x 20.	32 00
11 x 14 " " " " 13 " 20 x 24.	42 00

American Optical Co.'s Adjusters for Cabinet Work.

These are made to fasten in the same place as the back diaphragms which must be displaced while the adjuster is used, and are designed for use with SCOVILL PATENT SINGLE LIGHT-WEIGHT HOLDERS. With each is a hinged ground glass.



Price of Adjuster with hinged ground glass and Carriage arranged for either 4 1/4 x 6 1/2, 5 x 7 or 5 x 8 Cabinet Negatives, according to choice, as follows:

Adjuster for 8 x 10 American Optical Co. Portrait Camera, with one Single Light-Weight Holder,	Price
10 x 12	9 00
11 x 14	10 00
12 x 15	11 00
14 x 17	11 00
15 x 18	12 00
17 x 20	13 00
18 x 22	13 00
20 x 24	14 00

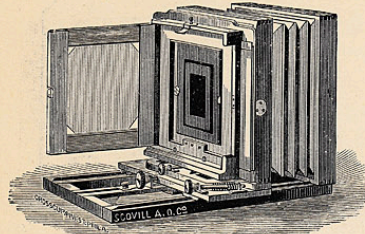
Extra Single Light-Weight Holders.

4 1/4 x 6 1/2 Single Light-Weight Holders	per doz. \$13 00
5 x 7 " " " "	14 50
5 x 8 " " " "	15 50
6 1/2 x 8 1/2 " " " "	18 00
8 x 10 " " " "	21 00

Cameras for Studio Use.

The American Optical Co.'s Imperial Cameras.

EXTRA QUALITY.



The American Optical Co.'s "Imperial" Camera is one of the most useful and acceptable Studio Cameras ever made. It is provided with India-rubber Bellows, Double Swing-back, Swinging Ground Glass, Lever Focusing Adjuster, and V-shaped Guides on the platform. The frame which carries the holder has a horizontal carriage movement, which, with the internal diaphragm provided, enables the operator to make with this camera of the 8 x 10 size the following sizes and styles:

Two promenades or imperial cards on an 8 x 10 plate, using one 4-4 tube; any size single picture from 1-4 to 8 x 10; two cards on a 4 1/4 x 6 1/2 or 5 x 8 plate, using a 1/2 size lens.

It will be observed, then, that this camera may be used for all single portraits up to 8 x 10 size, and for two promenades or imperials on one 8 x 10 plate. A smaller diaphragm enables you to take two cards on a 5 x 8 plate. The same style of camera is made in 4-4 size.

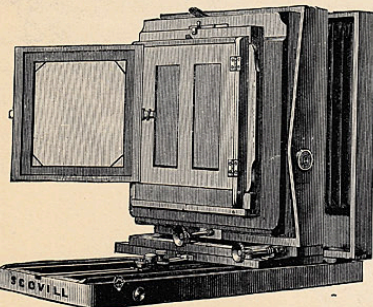
The 10 x 12 Imperial Camera is the same as the 8 x 10 Imperial and 4-4, only larger. All the Imperial Cameras can be arranged so as to take four cards and two Victoria or card size with two 1/2 lenses (simply by reversing the front-board, which requires an extra diaphragm).

No. 21.—4-4 Imperial Camera.....	With Double Swing-back.....	\$40 00
" 22.—8 x 10 .....	.....	45 00
" 23.—10 x 12 .....	.....	60 00
" 24.—11 x 14 .....	.....	80 00
" 25.—12 x 15 .....	.....	90 00
" 26.—14 x 17 .....	.....	100 00

These Imperial Cameras are fitted with the Waterbury Curtain Slide Holders unless Bonanza Holders are wanted, and that preference is indicated when order is given.

The American Optical Co.'s Boston Imperial Cameras.

EXTRA QUALITY.



The 11 x 14 Boston Imperial Camera is the same as an 11 x 14 Portrait Camera, with the addition of an 8 x 10 Carriage and an

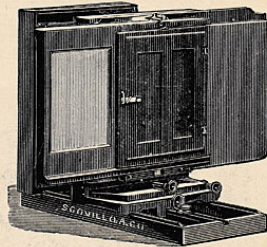
8 x 10 Holder, and is used to make two imperials on an 8 x 10 or 4-4 plate, using one 4-4 lens; two cards on a 5 x 8 plate, using one-half size lens; two large panel pictures, 6 x 10 inches in size, can also be made, and regular work from 11 x 14 to one-quarter inclusive.

No. 30.—11x14 Boston Imp'l Camera, with 8x10 attachment and holder.....	With Double Swing-back.....	\$85 00
" 31.—14x17	8x10	100 00
" 32.—17x20	8x10	110 00
" 33.—18x22	8x10	120 00
" 34.—20x24	11x14	140 00

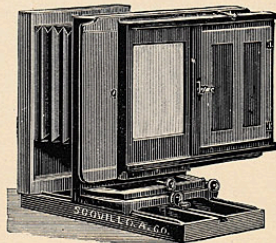
The Boston Imperial Cameras are fitted with the Waterbury Curtain Slide Holders unless Bonanza Holders are wanted, and that preference is indicated when order is given.

The American Optical Co.'s Royal Cameras.

EXTRA QUALITY.



This Camera does precisely the same work as an Imperial Camera, and has all the latest improvements. It has a carriage for the plate-holder, and the ground glass is where it is always ready to be brought into use. When the operator brings the plate-holder from the dark-room, he slides it into the carriage instead of placing it on the floor or some other inconvenient place while he obtains the focus. After securing the desired focus, he merely slides the ground glass to one side, in place of removing it, and simultaneously brings the plate-holder into place.



No. 40.—8 x 10 Royal Camera, Double Swing-back.....	\$50 00
" 40 1/2.—10 x 12	66 00
" 41.—11 x 14	85 00
" 42.—14 x 17	110 00

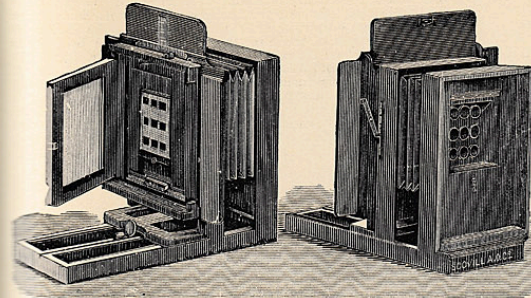
Above the 8 x 10 size an extra ground glass is supplied for use in focusing when pictures and groups are being taken.

The American Optical Co.'s Royal Cameras are fitted with the Waterbury Holders unless Bonanza Holders are wanted, and that preference is indicated when order is given.

Cameras for Studio Use.

The American Optical Co.'s Multiplying Cameras.

EXTRA QUALITY.



The gem of all Gem Cameras is the American Optical Co.'s 8 x 10 Multiplying Camera, which is represented by the double figure above. It is not duplicated by any other manufactory in the world, neither is there any other which approaches it in design and accuracy. One view shows the rear and the other the front of the camera. Its regulation and movements hardly need to be described if the drawings are carefully examined. It is supplied with nine gem tubes to work by sliding movements vertically and horizontally, with assorted diaphragms, scales, and so on, simple in their nature, yet working like an automaton, which, combined, make one of the most perfect and desirable of cameras.

No. 50.—8 x 10. This camera will make seventy-two, thirty-six, and eighteen gems on a 7 x 10 plate; nine gems on a 5 x 7 plate; eight 1/4 size cards on a 7 x 10 plate, using two 1/4 or 1/2 lenses; eight cards, using one lens for copying, on a 7 x 10 plate; four small Imperials or four Victoria cards on a 7 x 10 plate, using a 4-4 lens; two Cabinets on a 7 x 10 plate, using a 4-4 lens; regular work on 1/2 to 8 x 10 inclusive.

When arranged so as to take eight cards with 1/2 lenses, it requires another diaphragm.

The holders contain two sets of kits for ferro-types and negatives—the latter with glass corners.

Unfitted (that is, without any tubes)..... \$76 00

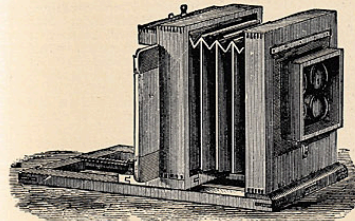
Fitted with nine 1-9 Darlot tubes..... 100 00

..... and four 1/2 Darlot tubes..... 119 00

Solid Glass Corner Holders only supplied with these Cameras.

The American Optical Co.'s Victoria Camera.

EXTRA QUALITY.



The introduction of the beautiful new size of photograph, made in America the "Victoria," in Prussia the "Format," and

in Austria the "Elizabeth," made it necessary to manufacture still another camera to accommodate it. This we have done, making it somewhat after the model of the Imperial, only adapting it to smaller sizes. It works a 5 x 7 plate, and may be used to make two Victoria cards, using one tube on a 5 x 7 plate; and by reversing the four lenses it will make eight "bon tons" on a 5 x 7 plate. It also makes all regular sizes, from 1-0 to 5 x 7, using one tube. Four 1/2 lenses only accompany the camera when it is ordered fitted.

The above illustration is a fair representation. It is a charming piece of apparatus and works admirably. A novelty we have introduced with it is the catch which keeps the carriage movement in place when the camera is used as a multiplier.

No. 51.—Victoria Card Camera, with four 1/4 tubes only..... \$44 00

Victoria Card Camera, without tubes, 24 00

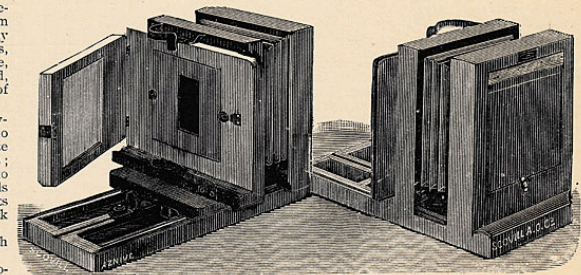
No. 52.—New style, using two 1/4 size tubes only (without tubes)..... 24 00

New Style, with two 1/2 size tubes... 34 00

N. B.—With this latter camera, which has only two 1/4 tubes, the same work can be done as with the four-tube Victoria Camera. It is the only two-tube camera that will do this work. The front block separates according to the size required. These Cameras are fitted with Bonanza or rabbeted Holders.

The Chicago Card Camera.

EXTRA QUALITY.



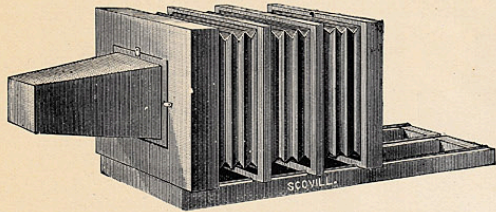
This is a Camera adapted for making two card pictures on one plate with one tube, and at the same time so arranged with holders and tablets that the regular sizes, from 1-0 to 1/2 size, may be made with one tube. Until this camera was made by the American Optical Company, the fraternity had to put up with one of a very inferior grade. We have paid especial attention to quality and strength, as well as to beauty. It meets with an unexpected acceptance and demand. We call it "The Chicago Card Camera." The drawing above shows a rear and a front view of the camera. It will be seen that it is supplied with the Swing-back—although made without—with fine Focusing Screws, V-shaped Wooden Guides, Diaphragms, etc., and that no pains have been spared to make it good and exact.

No. 53.—Chicago Card Camera for two cards on a 4 1/4 x 6 1/2 plate, and 1-0 to 1/2 size pictures, reversible... \$36 00

Solid Glass Corner Holders are supplied with this Camera.

Cameras for Studio Use.

American Optical Co.'s Copying Cameras.



These Cameras are made of hard-wood shellaced, not varnished. Naturally, they are without swing, but in every requisite they are complete. Such varied lengths of bed are required and ordered that we can only give a price list for Copying Cameras with the regulation length of bed. We make them to order of any length of platform desired, either rigid or detachable and with either single or double bellows. Occasionally swing-back and vertical shifting front also are supplied to order.

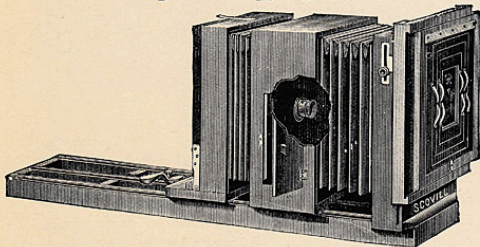
Estimates promptly furnished.

No. 70.—6½ x 8½, with bed 3 feet in length.....	\$25 00
71.—8 x 10 " 3¾ "	30 00
72.—10 x 12 " 4 "	38 00
73.—11 x 14 " 4½ "	45 00
74.—14 x 17 " 5 "	58 00
75.—17 x 20 " 6 "	64 00
76.—20 x 24 " 6 "	90 00

Larger sizes made to order.

When ordering Copying Camera, please state style of Holder desired; also give length of cone, if that is needed.

The American Optical Co.'s Enlarging, Reducing and Copying Cameras.



When ordering, please specify number and sizes of kits, also style of Holder wanted.

No. 51.—Size, 6½ x 8½, 4 ft. bed.....	Price, \$30 00
62. " 8 x 10, 5 ft. bed.....	35 00
63. " 10 x 12, 5 "	48 00
64. " 11 x 14, 5 "	60 00
65. " 14 x 17, 6 "	75 00
66. " 17 x 20, 7 "	90 00
66½. " 18 x 22, 7 "	100 00
67. " 20 x 24, 7 "	110 00

Special sizes and styles made to order.

The form of construction of this new Camera is apparent by the illustration here shown. The experienced copyist will not need any such simple directions for use as we append.

Camera Back with Revolving, Rising and Vertical Sliding Lantern Slide Attachment, L. S. Plate Holder..... \$15 00

If Screen Plate Holder is desired with either of the above styles of cameras, refer to our catalogue of Photo-Engravers' Supplies.

Directions for Use.

To copy a negative in the natural size, place it in the kit on the front of Camera and button it in. Attached to the center frame of the Camera is a division upon which, on the side towards the Camera front, a lens is mounted. Suppose this to be a quarter-plate Portrait Lens, the focal length of which we will suppose to be 4 inches—draw back the center frame and the Lens twice the focal length of the Lens (8 inches); slide the back frame with ground glass the same distance from the center frame. To enlarge with the same Lens to eight times the size of the original, the center of the Lens must be 4½ inches from the negative, and the ground glass be 36 inches from the center of the Lens. To reduce in the same proportion, reverse and have 36 inches from the center of the Lens to the negative, and from the center of Lens to ground glass 4½ inches.

Table for Enlargements.

Times	TABLES FOR ENLARGEMENT AND REDUCTION.							
	1	2	3	4	5	6	7	8
Inches.	1 in.	1 in.	1 in.	1 in.	1 in.	1 in.	1 in.	1 in.
2	4	6	8	10	12	14	16	18
2½	5	7½	10	12½	15	17½	20	22½
3	6	9	12	15	18	21	24	27
3½	7	10½	14	17½	21	24½	28	31½
4	8	12	16	20	24	28	32	36
4½	9	13½	18	22½	27	31½	36	40½
5	10	15	20	25	30	35	40	45
5½	11	16½	22	27½	33	38½	44	49½
6	12	18	24	30	36	42	48	54
6½	13	19½	26	32½	39	46½	54	61½
7	14	21	28	35	42	49	56	63
7½	15	22½	30	37½	45	52½	60	67½
8	16	24	32	40	48	56	64	72
8½	17	25½	34	42½	51	59½	68	76½
9	18	27	36	45	54	63	72	81
9½	19	28½	38	47½	57	66½	76	85½

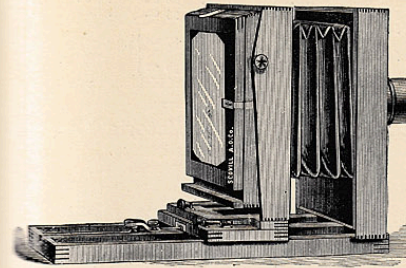
It is assumed that the photographer knows exactly what the focus of his lens is, and that he is able to measure accurately from its optical center. The use of the table will be seen from the following illustration:—A photographer has a *card* to enlarge to four times its size, and the lens he intends employing is one of six inches equivalent focus. He must, therefore, look for 4 on the upper horizontal line, and for 6 in the first vertical column, and carry his eye to where these two join, which will be at 30—7½. The greater of these is the distance the sensitive plate must be from the center of the lens, and the lesser the distance of the picture to be copied. To reduce a picture any given number of times the same method must be followed, but in this case the greater number will represent the distance between the lens and the picture to be copied; the latter, that between the lens and the sensitive plate. This explanation will be sufficient for every case of enlargement or reduction.

If the focus of the lens be twelve inches, as this number is not in the column of focal lengths, look out for 6 in this column and multiply by 2; and so on with any other numbers.

Cameras for Studio Use.

To meet the wants of those customers who give preference to the Scovill Cameras over all others, but who wish cheaper cameras than are listed in the foregoing pages, the Peerless and Acme Cameras are made at the Scovill & Adams Co.'s New Haven factory. The Cameras there produced are warranted accurate and reliable, in fact superior to any others in the market, excepting only the American Optical Co.'s extra quality cameras. The Acme and Peerless Cameras are offered at low prices simply because they are produced in large quantities.

"Peerless" Portrait Cameras.



These Cameras are made of seasoned Mahogany, well polished. They have the Lever Focusing Attachment. Above 10 x 12 they have the Telescopic Extension Platform, Double Swing-back.

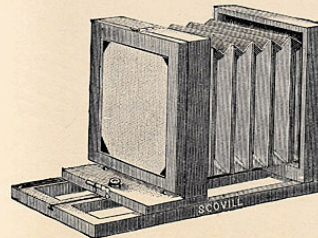
These Cameras are either fitted with Bonanza Holder with Dry Plate Rail in addition to the Wet Plate Trough, but if so ordered they may be fitted with plain Rabbeted Holders.

Size.	With Double Swing Back.
No. 400.—8 x 10 with Plain Platform.....	\$30 00
401.—10 x 12 "	42 00
402.—11 x 14 " Extension Platform.....	60 00
403.—14 x 17 "	70 00
404.—17 x 20 "	84 00
405.—18 x 22 "	90 00
406.—20 x 24 "	100 00

When the above Cameras are fitted with the attachment and Smaller Holder, same as furnished with the Boston Imperial Cameras, the price is as follows:

No. 410.—11 x 14 Peerless Portrait Camera, with 8 x 10 Attachment and Holder.	\$80 00
411.—14 x 17 "	95 00
412.—17 x 20 "	105 00
413.—18 x 22 "	115 00
414.—20 x 24 " with 11 x 14 Attachment and Holder.	135 00

Acme Standard Portrait Cameras.



The Acme Portrait Cameras have Rubber Bellows, Swing Ground Glass, and Reversible Holder.

Acme Standard Portrait Cameras.

No.	Size	Price
No. 500.—1-4 size, rever., plate 3¼ x 4¼ inches... \$8 00		
501.—1-2 " " 4¼ x 5½ " " " " " " " "	10 00	
502.—4-4 " " 6½ x 8½ " " " " " " " "	14 00	\$24 00
503.—Ex. 4-4, " " 8 x 10 " " " " " " " "	20 00	26 00
504.— " " 8 x 10 " " " " " " " "		
focus rack.....	22 50	28 00
505.—10 x 12 size, reversible, with focus rack	25 00	33 00
506.—11 x 14 " " " " " " " " " "	35 00	45 00
507.—14 x 17 " " " " " " " " " "	45 00	55 00
510.—6½ x 8½ Acme Standard Portrait Camera, with Sliding S. G. Cor. Holder.....	19 00	
511.—8 x 10 Acme Standard Portrait Camera, with Sliding S. G. Cor. Holder.....	27 00	

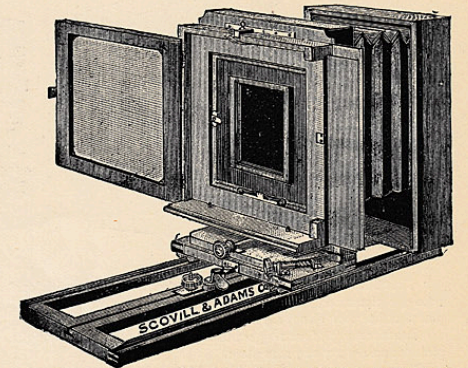
Solid glass corner or rabbeted Dry Plate Holders supplied with these cameras.

Peerless Imperial Camera No. 1.

This is the best and cheapest Camera on the market for the money. It is made of first growth mahogany, neatly polished, has carriage with sliding Bonanza Holder, extra rail rubber bellows, &c.

Size	Price
8 x 10, Peerless Imperial Camera No. 1, D. S. B.....	\$35 00
10 x 12, " " " " " " " " " " " " " "	45 00
11 x 14, " " " " " " " " " " " " " "	70 00

Peerless Imperial Camera No. 2.

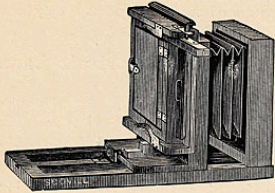


These Cameras are the same as the No. 1 but are not polished.

Size	Price
8 x 10, " " " " " " " " " " " " " "	\$25 00
10 x 12, " " " " " " " " " " " " " "	40 00

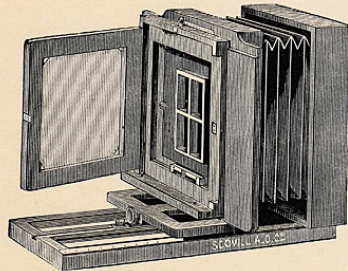
Cameras for Studio Use.

Acme Standard Gem Cameras.



- No. 530.—"New York Gem" Camera, complete, with four 1-9 Darlot tubes; will make four, eight and sixteen pictures on a 1-4 plate, two cards on a 1-2 plate, 1-9 to 1-2 reversible..... \$28 00
 - Without the four 1-9 tubes..... 18 00
 - 531.—1-4 size Gem Camera, with four Darlot tubes, complete; will make four pictures on a 1-4 plate, and 1-9 to 1-4, reversible..... 23 00
 - Without the four 1-9 tubes..... 11 00
 - 532.—1-2 size Gem Camera, with six Darlot tubes; will make six pictures on 1-2 plate, and 1-9 to 1-2, reversible..... 34 00
 - Without the six 1-9 tubes..... 17 00
 - 533.—5 x 7 size Gem Camera, with four Darlot tubes, complete; will make four pictures on a 5 x 7 plate and regular work—not reversible—1-4 to 5 x 7..... 32 00
 - Without the four 1-4 tubes..... 11 00
- The holder and kits for the above camera are rabbeted.

Cincinnati Gem Cameras.



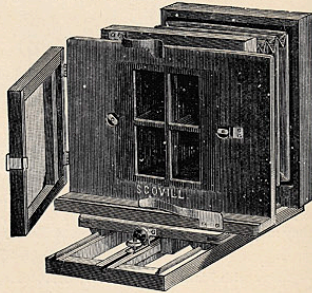
This camera, by some called the Lakeside, makes with one tube one picture on either a 1-4, 1-2, 4-4, 8 x 10, 5 x 7, or 7 x 10, plate, and two on either a 5 x 7, 7 x 10, or 8 x 10 plate. It makes, with four 1-4 gem tubes on brass plate, four or eight pictures on a 5 x 7 or 7 x 10 plate. The 7 x 10 and 5 x 7 are rabbeted kits. The kits for all other sizes are supplied with solid glass corners—Scovill's Improved. It has but one outside holder, in which all the kits reverse.

Cincinnati Gem Cameras.

	Unfitted with Solid Glass Corner Holder.	Fitted with four 1-4 Darlot Gem Tubes.	Unfitted with Waterbury Holder.
No. 540—Sliding S. G. C. Holder (without Carriage or Swing).....	\$22 00	\$37 00	
541—Carriage Movement.....	25 00	40 00	\$32 00
542—Single Swing.....	28 00	43 00	35 00
543—Double Swing.....	33 00	48 00	40 00
544—Cincinnati Imp'l Camera, Carriage.....	27 00		} with Bonanza Holder.
545—Cincinnati Imp'l Camera, Double Swing.....	30 00		

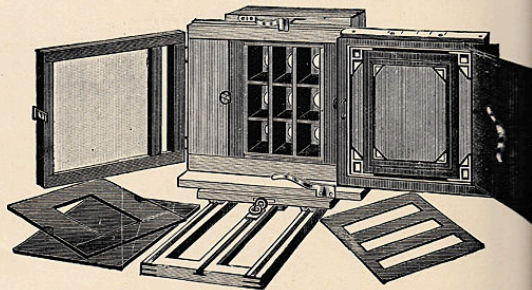
When ordering please state style of Holders wanted.

Acme 5 x 7 Standard Victoria Cameras. (THE FERROTYPYER'S CAMERA.)



- No. 515.—Without Lenses..... \$18 00
 - 516.—With four 1/4 Lenses on a brass plate..... 33 00
- The newest pattern of the standard quality of Victoria Cameras, which produces 9 and 18 pictures on a 5 x 7 plate, is called the

Acme Multiplying Victoria Camera. (THE FERROTYPYER'S CAMERA.)

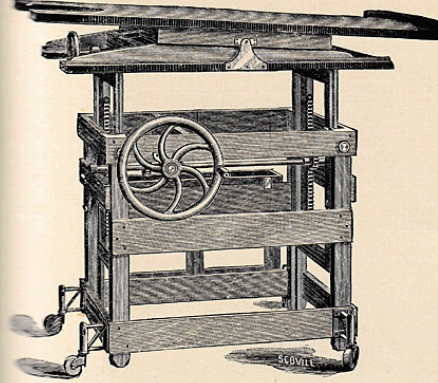


No. 517.—The Acme Multiplying Victoria Camera will make nine or eighteen Gems on 5 x 7 plate, using 9 1-9 Gem Lenses. It has Sliding Holder, and admits of cabinet work on 5 x 7 plate and two pictures on that size or smaller when gem fixtures are removed and single. Price, without Lenses..... \$25 00

When ordering one of the above Cameras, please state whether rabbeted or solid glass corner Holder is desired.

Studio Stands.

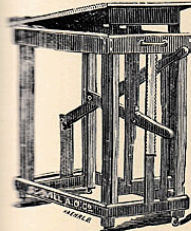
Elite Studio Stands. PATENTED.



These are the only Stands suited in workmanship and finish, also in size, to the large American Optical Co's Portrait 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 to any desirable height or inclination, and the effortless manner in which they may be moved from place to place, their elegant appearance and accurate construction. The proper elevation of the "Elite" stand is obtained by turning a wheel with handle, within reach of the operator, so that he may adjust the height or inclination of this camera without raising his head from under the focusing cloth. By means of the wheel 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. In the No. 2 size the platform is 26 inches long and twenty-six inches wide, and its length may be increased to seventy inches by an attachment which projects out forward, making it quite long enough to support a large copying camera. The semi-circular cut-out, at the rear end of the platform, is a convenience to the operator, who is thus enabled to stand closely up to the ground glass, no matter how far the camera may have been pushed forward; bending of the body is obviated, which is a necessity with all the older stands.

"ELITE" STUDIO STANDS.		
	No. 1 Size.	No. 2 Size.
Highest point from platform to floor.....	48 inches.	48 inches.
Lowest.....	32 "	32 "
Width of platform.....	26 "	26 "
Length of platform without attachment.....	45 "	52 "
" " " " with.....	70 "	70 "
Price, with Rack for Plate Holder.....	\$32 00	\$36 00

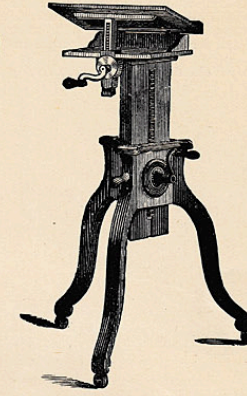
Lever Adjustment Stands.



The Lever Gallery Stands are light and easily moved, yet perfectly free from vibration. The adjusting levers are so arranged that the stand may be made level at any desired height and then depressed. They have brass mountings and pocket to hold Plate Holder.

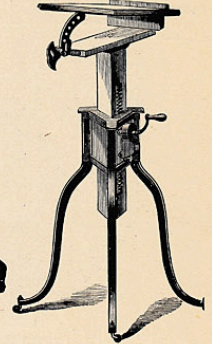
- No. 5.—For all sizes to 8 x 10 inclusive..... \$15 00
- 6.—For all sizes to 10 x 12 inclusive..... 17 00
- 7.—Combining in one a stand for all sizes from 8 x 10 to 11 x 14 19 00
- 7 1/2.—Combining in one a stand for all sizes from 11 x 14 to 20 x 24 inclusive..... 28 50

Perfect Camera Stand.



The "Perfect" Camera Stand has been manufactured for many years, and is, as it has been justly called, a "Perfect" Camera Stand. It is made of finely polished black walnut and has best of metal castings. It has superior advantages for studio cameras up to 8 x 10 size. Price, with Plate Holder Pocket..... \$16 00

Acme Camera Stands.



No. 1, for 1-2 and 4-4 Cameras..... \$8 00

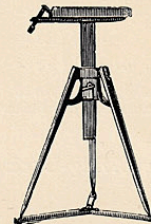
No. 2, with Plate Holder Pocket, for 8x10 and 10x12 Cameras. 12 00

Excelsior Camera Stands. (WITH IRON CENTER.)

- No. 1, for 1-4 and 1-2 Cameras..... \$3 75
- 2, " 4-4..... 4 00
- 3, " 8 x 10..... 4 00

The Semi-Centennial Camera Stand.

PATENTED January 7 and March 11, 1890.

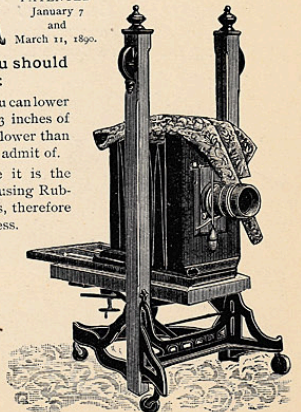


Reasons why you should adopt it:

FIRST—Because you can lower the Camera within 13 inches of the floor, this being lower than any other stand will admit of.

SECOND—Because it is the only Camera Stand using Rubber Wheels as castors, therefore it is perfectly noiseless.

THIRD—By the use of its coiled springs and a key you can make it counterbalance any weight of Camera from 8 x 10 to 11 x 14 inclusive.



Weight of Stand, packed ready for shipment, 95 lbs. Price, boxed..... \$25 00

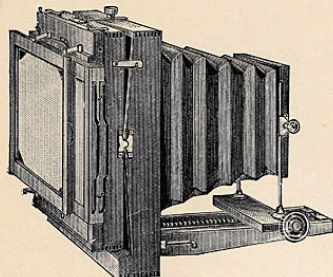
Cameras for Views.

American Optical Co.'s Star View Cameras.

(PATENTED.)

The Star Reversible Back Cameras have the patent reversible back, with automatic latch, which allows Holder to be inserted without holding back the ground-glass frame, the rack and pinion movement, and the patent latch for making the bed rigid instantaneously.

Each Camera has one Daisy Holder with patent Registering Slides and canvas case.



STAR REVERSIBLE BACK CAMERAS.

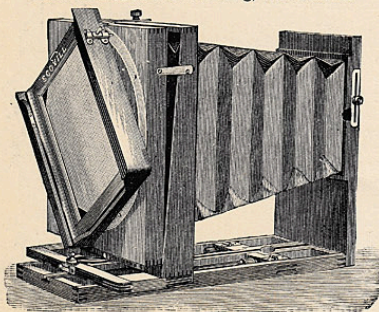
No.	For View.	Single Swings-back.	Double Swings-back.
No. 110.	4 x 5 front focus.	\$25 00	\$29 00
111.	4 1/4 x 5 1/2	26 00	30 00
112.	4 1/4 x 6 1/2	30 00	34 00
113.	5 x 7	32 00	35 00
114.	5 x 8	34 00	38 00
115.	6 1/4 x 8 1/2	36 00	40 00
116.	8 x 10	40 00	44 00
117.	11 x 14	60 00	64 00
118.	14 x 17, with Flammang Curtain Slide Single Holder.	70 00	75 00
118 1/2.	18 x 22, with Flammang Curtain Slide Single Holder.	90 00	95 00
120.	20 x 24, with Flammang Curtain Slide Single Holder.	95 00	100 00

Canvas cases to contain Camera with more than one Holder made to order at extra price.

American Optical Co.'s Revolving-Back Cameras.

(PATENTED.)

Each Incased in a Canvas Bag, with Handle.



(BACK-FOCUS PATTERN.)

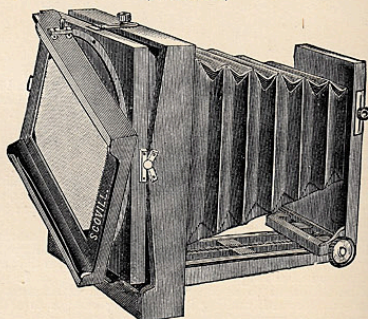
Wherein lies the merit and attractiveness of the Revolving-Back Camera, that photographers want to cast aside cameras now

in use and procure one of this new pattern? Briefly stated, it enables the view-taker to secure either an upright or 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 up 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.

Revolving-Back Cameras.

(PATENTED.)



(FRONT-FOCUS PATTERN.)

REDUCED PRICE LIST.

Revolving-back Cameras, each incased in a canvas bag, with handle, and above 14 x 17 size, with two handles.

No.	REVERSIBLE.	Single Swing.	Double Swing.
No. 120.	For View 4 x 5 in.	\$27 00	\$32 00
121.	4 1/4 x 5 1/2	29 00	34 00
122.	4 1/4 x 6 1/2	31 00	36 00
123.	5 x 7	33 00	38 00
124.	5 x 8	35 00	40 00
125.	6 1/4 x 8 1/2	40 00	45 00
126.	8 x 10	45 00	50 00
127.	10 x 12	60 00	65 00
128.	11 x 14	65 00	70 00
129.	14 x 17	75 00	80 00
130.	17 x 20	85 00	90 00
131.	18 x 22	95 00	100 00
132.	20 x 24	115 00	120 00

These Cameras are fitted with Daisy Dry-plate Holders.

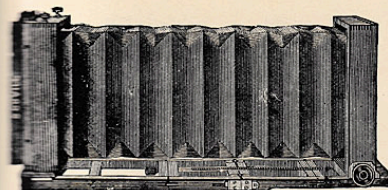
Please state, when ordering any size below 10 x 12 whether front or back focus is desired.

Revolving-Back Cameras, front-focus, not made above 8 x 12 size.

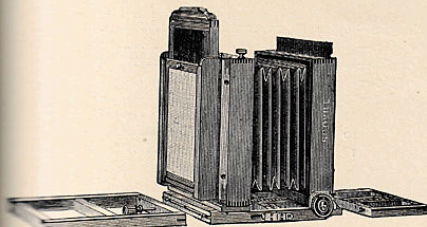
Canvas Cases to contain Camera with more than one Holder made to order at extra price.

Cameras for Views.

American Optical Co.'s Manifold Cameras.



While this camera serves manifold purposes as its name implies, nothing could be more simple or more easily manipulated. The Manifold Camera has special advantages peculiar to itself, and possesses the greatest number of desirable features which can be combined in a camera without sacrificing lightness and compactness, or having complicated adjustments. The unique device which controls the horizontal and vertical swings was invented by Mr. W. J. Stillman, of the editorial staff of the PHOTOGRAPHIC TIMES. To this has been added a central latch for the purpose of bringing the swing movements within perfect control of the operator. An approximate focus is obtained



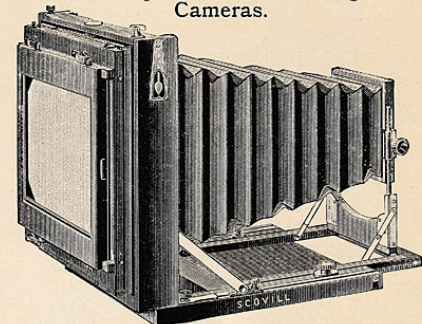
by the rear portion of the camera, which is provided with the patent reversible back. The fine focus is obtained by means of the rack and pinion movement, moving the front upon which the lens is attached.

While this camera is made to compass the great length of bed shown in the first illustration, the rear portion of the bed may be wholly detached and, when desired, one-third of the swinging portion of the platform; a great advantage when photographing interiors, when an obtrusive tail-board renders being almost an impossibility. With one-half of the bed taken off, this camera is still of the usual length of draw. The ground glass when not in use, is displaced, not detached, by having the plate-holder slid in front of it. This arrangement of ground glass and plate-holder is shown in the second view. Still another noticeable feature is the absence of clamping-screws from the front-boards, to move which one needs but to press lightly against the lens. The bed folds in front of and behind the camera, and has the patented latch.

Price List, including Canvas Case for Camera and one Holder:

133.	3 1/2 x 4 1/2 size.	\$30 00
134.	4 x 5	32 00
135.	4 1/4 x 6 1/2	38 00
136.	5 x 7	38 00
137.	6 1/4 x 8 1/2	45 00
138.	8 x 10	50 00

American Optical Co.'s 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, also vertical shifting front-board, and the back can be moved toward the front when a very short focus lens is used. They have the Howe patent reversible back, fitted with self-locking, ground-glass frame.

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 the canvas carrying case.



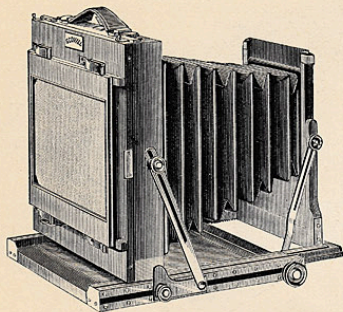
A superb canvas case, the finest ever made, is supplied with each one of the Irving Cameras. Price list is as follows:

No.	Single Swing.	Double Swing.
No. 200.	4 x 5	\$27 00
201.	5 x 7	33 00
202.	5 x 8	35 00
203.	6 1/4 x 8 1/2	40 00
204.	8 x 10	45 00
205.	10 x 12	60 00
206.	11 x 14	65 00
207.	14 x 17	75 00
208.	17 x 20	85 00
209.	18 x 22	95 00
210.	20 x 24	115 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.

Cameras for Views.

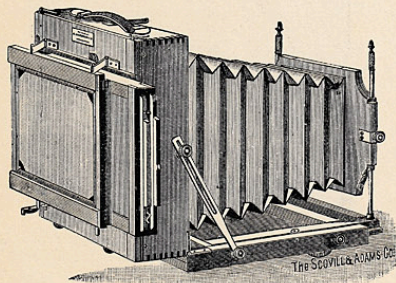
Elm City Outfits.



Are made from the finest selected mahogany, are handsomely polished, have Cone Bellows, Reversible Back, Vertical Shifting Front. The bed telescopes with rack and pinion movement for focusing. The body of the Camera is also arranged to telescope with the bed, which makes the instrument capable of taking a very short focus lens.

Price of Camera and Holder, with Canvas Case and a No. 1 Albion Tripod:
 5 x 7 size.....\$33 00 | 6½ x 8½.....\$40 00
 5 x 8 ".....36 00 | 8 x 10 ".....50 00

The Compact View Outfits.



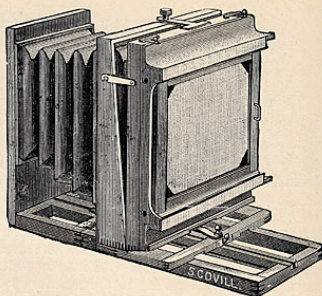
The Compact View Outfits comprise a Compact View Camera—which is a polished mahogany box—with Patent Reversible Swing-Back, with Turn-Table on Platform, and with Raising Front which can be set back on Platform when Camera is used with a short focus lens.

One canvas Carrying Case for Camera.
 One Scovill Adjustable Tripod.

5 x 7 Compact View Outfit.....\$20 00
 5 x 8 ".....22 00
 6½ x 8½ ".....25 00
 8 x 10 ".....30 00

Acme Reversible-Back View Cameras.

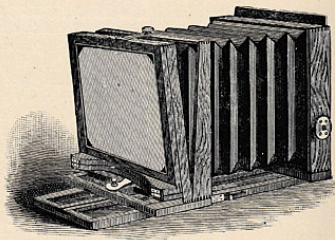
(PATENTED.)



These Cameras are supplied with Cone Bellows, Patent Reversible-Back, Vertical Shifting Fronts and Folding Platforms with patent bed-latch—are compact, light, and portable.

No.	Size	Single Swing	Double Swing-Back
No. 560.	6½ x 8½ reversible	\$29 00	\$33 00
" 561.	8 x 10 "	34 00	38 00
" 562.	10 x 12 "	40 00	45 00
" 563.	11 x 14 "	50 00	55 00
" 564.	14 x 17 "	60 00	65 00
" 565.	17 x 20 "	70 00	75 00
	20 x 24 "		100 00
	18 x 22 "		90 00

Acme Landscape Cameras.

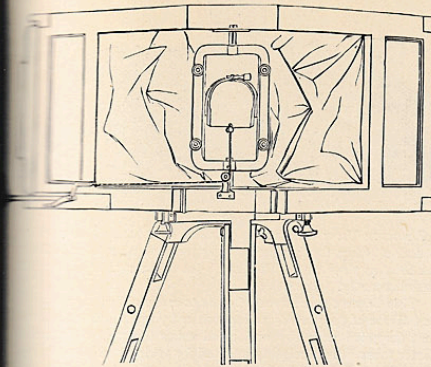


This new Camera is made of mahogany, polished, and has Single Swing-Vertical Shifting Front, Cam for focusing, Patent Side Latch for Folding Platform, and Side Plate for reversing. It was designed for professional photographers who wish to carry about a very light, compact View Camera, which is cheap, and yet in every respect substantial and serviceable.

No. 568.—5 x 8 size, with one Scovill Patent Double Dry Plate Holder.....\$12 50
 " 569.—4 x 4 size, with one Scovill Patent Double Dry Plate Holder.....15 00
 " 570.—8 x 10 size, with one Scovill Patent Double Dry Plate Holder.....20 00

Cameras for Views.

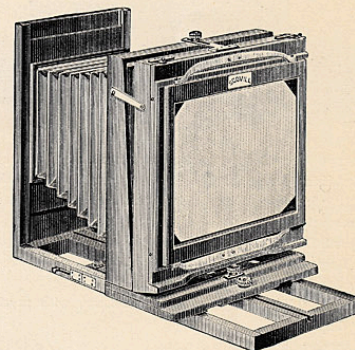
The Scovill Panoramic Camera.



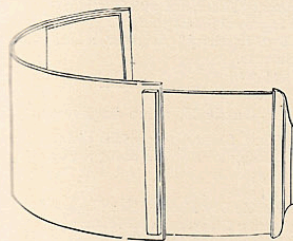
The prices of these Cameras, including in each case a substantial wooden box or trunk for holding the instrument, a suitable tripod, a panoramic printing frame, two holders, two developing baths, and the celebrated Swift lens, are given below.

Price of the Scovill Panoramic Outfit for making photographs 10 x 30 inches, complete as above.....\$250 00
 Price of the Scovill Panoramic Outfit for making photographs 16 x 43 inches, complete as above.....300 00

The American Optical Co.'s Landscape Reversible 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 automatic films of the same sensitiveness, are used by means of 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 here give an idea of the appearance of the camera, and the dark slide for holding



Made of the finest mahogany, with the American Optical Co.'s high grade polish, rubber bellows, rising front, double swing reversible patent spring back. It is the finest Tripod Camera on the market for the price, which includes Camera, a handsome Carrying Case and one Light Weight Double Dry Plate Holder.

PRICES:

5 x 7, Double Swing Back.....	\$21 00
5 x 8, " " " ".....	22 00
6½ x 8½, " " " ".....	23 00
8 x 10, " " " ".....	25 00
11 x 14, " " " ".....	35 00
14 x 17, " " " ".....	50 00



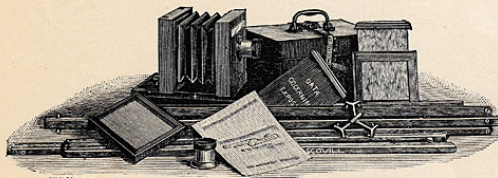
Outfits for Viewing.

Favorite Apparatus 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.

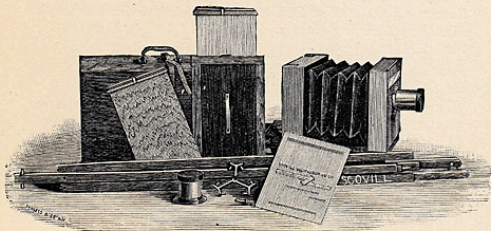
Favorite Outfit A, price \$10.00, comprises



A FAVORITE VIEW CAMERA to produce 4 x 5 inch pictures, with vertical shifting front, single swing movement, rubber bellows and folding platform, with patent latch for making bed rigid instantaneously.

- 1 Scovill Double Dry Plate Holder (Reversible), with patent Registering Slides, and with Kits.
- 1 Taylor Improved Folding Tripod.
- 1 No. A "Waterbury" Achromatic Lens, with revolving diaphragm.
- 1 Carrying Case.
- 5 x 7 Favorite Outfit.....Price, \$12 00

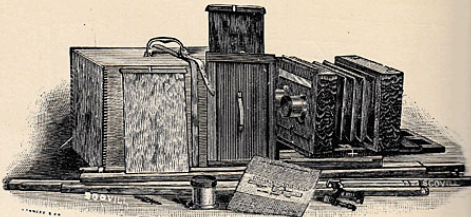
Favorite Outfit B, price \$12.00, comprises



A FAVORITE VIEW CAMERA, to produce pictures 5 x 8 inches, with vertical shifting front, single swing movement, rubber bellows and folding platform, with patent latch for making bed rigid instantaneously; also

- 1 Scovill Double Dry Plate Holder (Reversible), with patent Registering Slides, and with Kits.
- 1 Taylor Improved Folding Tripod.
- 1 No. B "Waterbury" Achromatic Lens with revolving diaphragms.
- 1 Carrying Case.

Favorite Outfit C, price \$18.50, comprises



A FAVORITE VIEW CAMERA, to produce 5 x 8 inch pictures, with vertical shifting front, single swing movement, rubber bellows and folding platform, with patent latch for making bed rigid instantaneously.

This Camera is constructed so as to make either a picture on the full size of the plate (5 x 8 inches), or by substituting the extra front (supplied with the outfit) and using the pair of lenses of shorter focus, it is admirably adapted for taking stereoscopic negatives. Included in this outfit are also

- 1 Scovill Double Dry Plate Holder (Reversible), with patent Registering Slides, and with Kits.
- 1 B "Waterbury" Achromatic Lens, with revolving diaphragms.
- 1 Pair "Waterbury" Achromatic Matched Stereoscopic Lenses.
- 1 Taylor Improved Folding Tripod.
- 1 Carrying Case.

Favorite Outfit D, price \$15.00, comprises

A FAVORITE VIEW CAMERA to produce pictures 6 1/2 x 8 1/2 inches, with vertical shifting front, single swing movement, rubber bellows and folding platform, with patent latch for making bed rigid instantaneously; also

- 1 Scovill Double Dry Plate Holder (Reversible), with patent Registering Slides, and with Kits.
- 1 Taylor Improved Folding Tripod.
- 1 No. BB "Waterbury" Achromatic Lens with revolving diaphragms.
- 1 Carrying Case.

Favorite Outfit E, price \$25.00, comprises

A FAVORITE VIEW CAMERA to produce pictures 8 x 10 inches, with vertical shifting front, single swing movement, rubber bellows and folding platform, with patent latch for making bed rigid instantaneously; also

- 1 Scovill Double Dry Plate Holder (Reversible), with patent Registering Slides, and with Kits.
- 1 Taylor Improved Folding Tripod.
- 1 No. C "Waterbury" Achromatic Lens with revolving diaphragms.
- 1 Carrying Case.

Equipment A-A-A.—Price, \$20.00.

Complete in every requisite for making the Highest Class Pictures.

Lacking nothing for view taking, development and the printing and mounting of photographs.

- Consisting of Favorite Apparatus Outfit A.\$10 00
- Also 1 Developing Outfit, 4 x 5 5 50
- 1 Printing and Toning Outfit, 4 x 5 4 50
- 5 x 7 Favorite Equipment..... 24 00

Outfits for Viewing.

Favorite Apparatus Outfits—Continued.

Equipment B-B-B.—Price, \$24.50.

Complete in every Requisite for making the Highest Class Pictures.

- Consisting of Favorite Apparatus Outfit B.....\$12 00
- 1 Developing Outfit, 5 x 8 6 50
- 1 Printing and Toning Outfit, 5 x 8 6 38

Equipment C-C-C.—Price, \$30.00.

Complete in every requisite for making the Highest Class Pictures.

- Consisting of Favorite Apparatus Outfit C.....\$18 50
- 1 Developing Outfit, 5 x 8 6 50
- 1 Printing and Toning Outfit, 5 x 8..... 6 38

Equipment D-D-D.—Price, \$28.00.

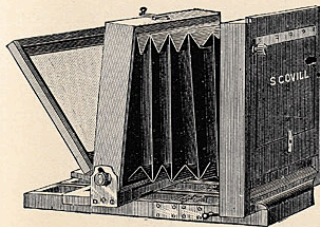
- Consisting of Favorite Apparatus Outfit D\$15 00
- 1 Developing Outfit, 6 1/2 x 8 1/2 7 00
- 1 Printing and Toning Outfit, 6 1/2 x 8 1/2..... 7 00

Equipment E-E-E.—Price, \$40.00.

- Consisting of Favorite Apparatus Outfit E.....\$25 00
- 1 Developing Outfit, 8 x 10 8 50
- 1 Printing and Toning Outfit..... 8 50

Waterbury Outfits.

With Double Film Holders, or with Glass Plate Holders.



The Waterbury Cameras, introduced in 1885, are like other cameras and apparatus made by the American Optical Company—approachable!

They are made of mahogany, are well polished, have rubber bellows, folding platform, patent latch for making bed rigid instantaneously, single swing, vertical shifting front, and are as light and compact as substantial cameras can be constructed.

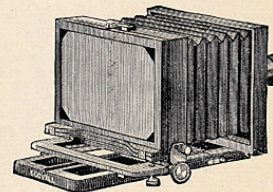
- 4 x 5 Waterbury Outfits, complete.....\$12 00
- consisting of
- 1 Single Swing Camera, described above.
- 1 Light Weight Double Dry Holder, with Patent Registering Slides.
- 1 Wooden Carrying Case.
- 1 Improved Taylor Tripod.
- 1 No. A Waterbury Lens with Revolving Diaphragm.

Latest Sizes introduced:

- 4 1/4 x 5 1/2 Waterbury Outfit, complete.....\$13 00
- 4 1/4 x 6 1/2 " " " " 14 00
- 5 x 7 " " " " 16 00

- 5 x 8 Waterbury Outfits, complete.....\$16 50
- consisting of
- 1 Single Swing Camera, described above.
- 1 Light Weight Double Dry Holder, with Patent Registering Slides.
- 1 Wooden Carrying Case.
- 1 Improved Taylor Tripod.
- 1 No. B Waterbury Lens, with Revolving Diaphragm.

Elite View Outfits.



An Elite View Outfit comprises: One Single Swing Mahogany polished Camera, with vertical shifting front; Rubber Folding Bellows and Rack and Pinion Focusing Adjustment.

By means of the side plate the Camera may be reversed when vertical views are desired. To this Camera, which is very light and compact, is fitted one of the incomparable Light Weight Holders, with Patent Registering Slides. The Outfit also comprises a Scovill Extension Tripod, a Waterbury Achromatic Lens, with Revolving Stops, and a Carrying Case.

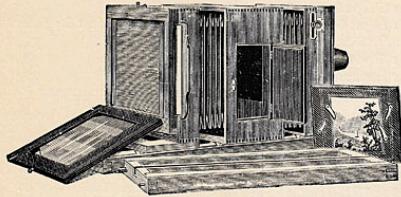
Price List is as follows:

- Size of View.
- 4 1/4 x 6 1/2\$17 00
- 5 x 7 17 50
- 5 x 8 18 00
- 6 1/2 x 8 1/2..... 22 00

Cameras.

The Walmsley Photo-Micrographic Camera.

Manufactured by the American Optical Co. Now in use by many Colleges and leading Microscopists, and is an efficient, practical and cheap instrument for the purpose.



It is made in three sizes: the cheaper, No. 1, selling for \$18.00, is adapted only to the making of negatives on plates 3 3/4 x 4 1/4, or 4 1/4 x 5 1/2, as may be necessary. The complete form No. 2 (costing \$30) is so made as to admit of enlarging, reducing, and copying camera, admirably adapted to the production of lantern transparencies from any size negative up to 4 1/4 x 5 1/2.

The Camera (of mahogany) is square, carrying a Flamman single plate-holder for 4 1/4 x 5 1/2 plates; usable vertically or horizontally, and with kits of 3 3/4 x 4 1/4 plates. The bellows are in two sections, with a central division of mahogany, which carries a removable partition, to which an enlarging, reducing, or copying lens can be attached, for enlarging, reducing, or copying. A light-tight door on one side of this wooden section gives ready access to the lens for inserting or removing diaphragms, or other necessary manipulations, whilst a milled head, accessible from the same opening, clamps the lens-bearing section firmly to the bed of the camera at any desired point.

The bellows have an extension of two feet in addition to the length of the box, sliding very smoothly upon V-shaped ways, which for greater convenience are made in two sections, firmly attached to each other by wooden dowels, and a solid brass screw, worked by a milled head.

The bellows are firmly held at any desired point of extension by a cam, operated by a lever conveniently placed at the rear of the focusing-screen, which latter is hinged at the bottom, and, when not in use, lies out of the way upon the extension bed. The screen itself is of the very finest ground glass, but is used only for arranging the portion of the object to be photographed properly in the center of the plate, as no surface can be ground finely enough to permit the sharp focusing of any delicately-lined object. For this purpose, a circle or disc of thin microscopic covering glass is attached with balsam to the center of the ground glass screen, which clears away all the inequalities of the latter, and leaves an exquisitely fine surface to receive the image, which, by using an ordinary focusing-screw, may be as sharply defined as in the eye-piece of the microscope.

The front of the camera (which is double-shifting, for the purpose of centering) carries a cone-shaped tube, which receives the tube of the microscope when the latter is inclined to a horizontal position, and conveys the image-bearing rays of light therefrom into the body of the camera. This cone is removable, and in its place may be inserted kits, carrying negatives from quarter to half size, for enlargement or reduction to lantern slides as may be desired. Or a front-board, bearing a lens, may be inserted in its place, converting the camera into a copying one. Indeed, a more complete instrument for all the purposes for which it was devised could scarcely be conceived or desired.

In use, the camera is attached to a solid platform (which also carries the microscope and lamp) by a screw such as is used with an ordinary tripod. By this means any jar or tremor produced by a passing vehicle or other means, is communicated to microscope and camera alike, preventing any diminution of sharpness in the negative. By this arrangement, also, the whole apparatus is so compact that, with the bellows closed, the operator can easily see the image upon the ground glass and at the same time reach the milled heads upon the microscope controlling the stage and focusing-movements, permitting the arrangement of the subject with the greatest nicety. But when the bellows are extended to their full length, some appliance becomes necessary to

operate the fine adjustment of focus, whilst the eye can discern the changes upon the screen. This is most simply effected in the employment of a fine cord passing in a groove around the periphery of the milled head of the fine adjustment-screw, and thence through a series of hook-eyes to the rear of the camera bed, where it is held taut by a couple of leaden weights. The slightest pull upon either cord moves the fine adjustment screw with the utmost nicety.

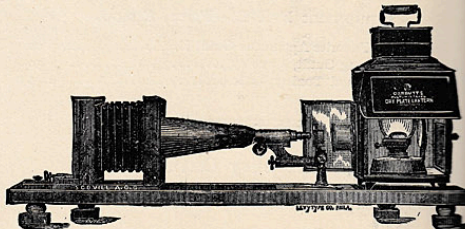
PRICE.

Walmsley Micro-Camera.....	\$18 00
4 1/4 x 5 1/2 Walmsley Micro-Camera, enlarging, reducing, and copying pattern.....	30 00
6 1/2 x 8 1/2 Walmsley Micro-Camera, E. R. & C.....	35 00

The Scovill Photo-Microscopic Outfit.

Photographing with the microscope has hitherto been accomplished by the aid of elaborate and costly apparatus, and been applied chiefly to making illustrations for scientific magazines. The process used, that of wet collodion in connection with sunlight, involved the procurement of an expensive heliostat to produce a steady illumination, for with any less powerful light the exposure would necessarily be so prolonged that the coating of the plate would dry and become useless. Now all this is changed, for with the modern improvements in photography which are the result of the introduction of gelatine dry plates, the photographing of microscopic objects becomes as easy of accomplishment as the photographing of the beautiful and visible in nature is with the popular amateur outfits.

The scientist and microscopist, instead of spending hours in making imperfect drawings, aided by the camera lucida, may in a few minutes, with the assistance of photography, produce a more perfect representation of a minute object than it is possible for the hand of man to, working conjointly with the eye. Not only can an enlarged image of a microscopic object be formed for illustration, but professors in colleges will find it a ready means to produce negatives of a suitable size from which may be made transparencies or magic lantern slides for exhibition to classes or the public.



If this is done in the daytime, a room from which all white light is excluded should be selected; but if used at night, as in most cases it would be, the operations may all be performed in the midst of a family group for their interest and amusement, and to impart to them knowledge of the minute life or organisms of the world which the microscope alone can reveal.

THE SCOVILL PHOTO-MICROSCOPIC EQUIPMENT, consisting of

- 1 Scovill Special Half Plate Camera.
- 1 Mullum Parvo Lantern, with Double Condenser.
- 1 dozen 4 1/4 x 5 1/2 size B Keystone Plates to make Negatives; also
- 1 dozen 3 1/4 x 4 1/4 size A Plates for Transparencies.

Price, complete..... \$15 00
The Camera, alone..... 9 00

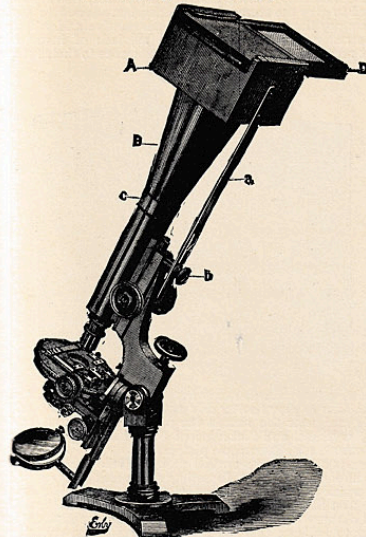
The presumption is that you are provided with a microscope. If not, we recommend the purchase of one from a regular dealer in microscopical goods.

Circular containing directions for use sent with each outfit.

Cameras.

The Mercer Photo-Micrographic Camera.

SIZE, 2 1/4 x 3 1/4. PRICE, \$7.50.



MERCER CAMERA, SHOWN WITH MICROSCOPE TO ILLUSTRATE WORKING.

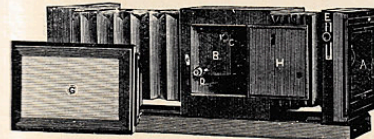
This Camera is provided with a Brass Cone and Plate Holder with Ground Glass attached, to slide back and forth in the carriage as desired.

The Stereo Transparency Camera.

A new copying camera for making stereoscopic transparencies from stereoscopic negatives without cutting the negative is now manufactured by the American Optical Company.

Midway between the ends of the camera is a frame which holds the body of the camera in two parts. A door at the side gives access to the inside. On a hooded front (B), with a flap, is screwed a pair of 5 or 6 inch lenses. The front carrying the lenses is so arranged that the lenses may, by means of screws (D), be brought nearer to each other or farther apart. If it is intended that the transparency be a little smaller or larger in scale than the negative, the bellows in front and rear of this frame permits the same to be accomplished.

To practically illustrate: In the front of camera (A) button a stereo negative, placing it upside down and film side in. Move the center portion with the lenses back from the negative, so that from the stop of the lens to the negative will be twice the focal length of the lens in use. Clamp this section, and move the ground glass back until the distance from ground glass to stop of lens equals twice the focus of lens in use. Adjust the ground glass until the image on the same is sharp, then tighten all clamps.



A, Stereo negative. B, Hooded front, covering lenses. C, Mill-head for flap-shutter. D, Screw for moving right-hand lens. E, Set-screw for vertical-sliding-front. F, Ground glass. G, Holder. H, Door.

The diaphragm at back of camera gives the size of the two images, being 3 1/4 inches high by 3 inches wide. Inside the rear bellows is placed a bellows division separating the light from the two lenses. The sliding front of camera carrying the negative should now be moved up or down in order to fix a base line for the picture, which will be an imaginary line drawn across the negative and passing through two similar objects in the two halves of the negative. This settled, then, by means of the milled head screw, move the right-hand lens so as to bring some object, as a tree, corner of a house or fence, that it may be close to the side of diaphragm; then move the other lens so the same object will be 1/4 of an inch from the other diaphragm.

These points settled, place a keystone ground glass transparency plate, 3 1/4 x 6 3/4 inches, in the holder, and adjust it to the camera. Place fairly small stops in the lenses; close the flap-shutter by means of the milled head (C), draw slide to holder, point camera to the sky; then raise the flap-shutter, and give one, two or three seconds, according to circumstances. After developing, fixing, washing and drying, the face is covered with a thin piece of glass and the edges bound, when the transparency is ready for the stereoscope.

Price, without Lenses..... \$35 00

Centennial Outfits.

(INTRODUCED IN 1876).

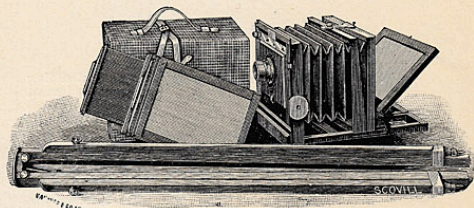
CENTENNIAL OUTFIT, No. 202, consists of a Mahogany Polished Camera for taking pictures 4 x 5 inches, with Folding Bellows Body, single swing, hinged bed, and brass guides. It has a double shifting front for adjusting the sky and foreground, with 1 Double Dry Plate Holder, with Patent Registering Slides; also 1 Canvas Carrying Case, and 1 No. 1 Scovill Extension Tripod. Price..... \$22 00

CENTENNIAL OUTFIT No. 202, with Instantaneous Lens..... 32 00

CENTENNIAL OUTFIT No. 202 A. The same as No. 202, but with Camera for taking pictures 4 1/4 x 5 1/2 inches..... 24 00

CENTENNIAL OUTFIT No. 202 B, for pictures 4 1/4 x 6 1/2 inches. 26 00

CENTENNIAL OUTFIT No. 203, consists of a Folding Mahogany Camera, well known as the '76 Camera (see illustration). It is adapted for taking 5 x 8 inch pictures, and also for stereoscopic views—together with 1 Daisy Double Dry Plate Holder, with Patent Registering Slides; also 1 Canvas Carrying Case; 1 No. 2 Scovill Extension Tripod..... Price, 30 00

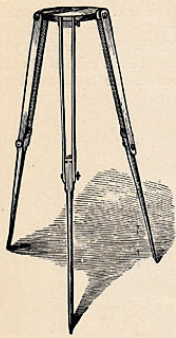


CENTENNIAL OUTFIT, No. 204, consists of a Folding Mahogany Camera of finest style and finish for taking 6 1/2 x 8 1/2 inch pictures, with 1 Daisy Dry Plate Holder, with Patent Registering Slides; also 1 Canvas Carrying Case, and 1 No. 3 Scovill Extension Tripod.... Price, \$36 00

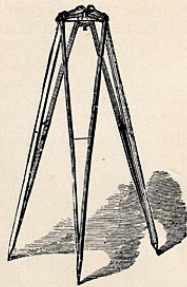
Tripods.

Peerless Folding Tripods for Field Photography.

Manufactured from selected second growth ash, with brass mountings and folding legs, which make them very light and portable; yet they are perfectly firm and rigid when extended for use. No better Tripods have ever been devised for the professional view photographer.



Wood Top.

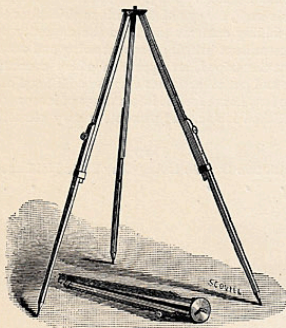


Metal Top.

No. 1.—Peerless double-jointed legs.....	6 inch wooden top.....	\$ 85
" 2. " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " "	4 75
" 3. " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " "	5 70
" 4. " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " "	9 50
" 5. " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " "	6 00
" 6. " " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " " "	8 00

The above tripods are so constructed that they can be easily taken apart for packing, and yet can, when in use, be made as stiff and solid as though carved from a solid block.

The Scovill Extension Tripods.



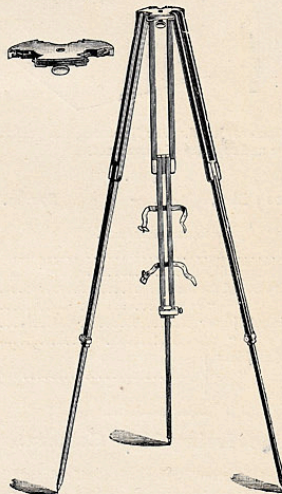
This Tripod possesses special advantages. It can be set up, ready for use, quicker than any other, and with less trouble. By turning the brass buttons shown in the accompanying illustration, the legs may "in a twinkling" be extended to the desired length, and fastened. When this Tripod is placed on uneven ground, the camera it supports may be brought to the proper level by simply adjusting the length of the Tripod legs. Another commendable

feature of the Scovill Extension Tripod is, that it has no detachable parts to be misplaced or lost. Combining as it does firmness, strength and lightness, this Tripod must at once find favor with the professional view-taker, who very often wastes valuable time, or loses opportune moments in placing the Tripod legs and changing their position to include just what is wanted in a picture, and to level the camera.

No. 1, for 1-4 and 4 x 5 Cameras.....	each,	\$3 00
" 2, " 5 x 8.....	"	3 25
" 2 1/2, " with Brass Circle.....	"	3 50
" 3, " 6 1/2 x 8 1/2.....	"	5 00

The Albion Tripods.

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.

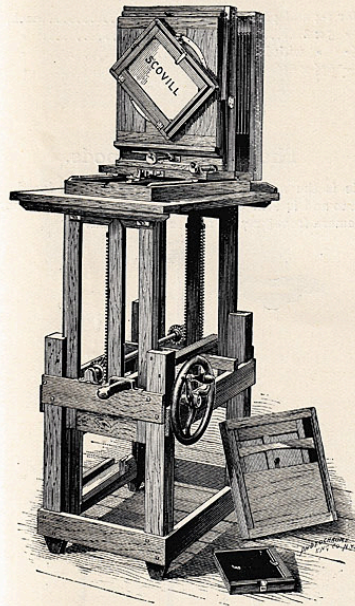
No. 1.—Cherry-Wood.....	\$4 50
" 2.—".....	6 00
" 3.—Spruce (very light).....	6 00

Hand Cameras.

Scovill's Empire Portrait Outfit

consists of

- One 8 x 10 Double Swing Mahogany Portrait Camera, Lever Attachment, with Waterbury Holder, Curtain Slide.
- One Revolving Back Adjuster. Can be made for either 4 1/4 x 6 1/2, 5 x 7 or 5 x 8 Plates.



One Empire Camera Stand. For lightness, compactness, portability, ease and rapidity of movement.

\$45.00.

11 x 14 Size, - - - \$70.00.

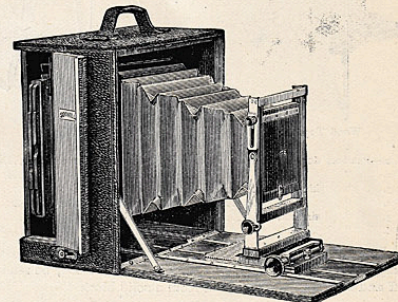
PARTS SEPARATE.

8 x 10 Camera.....	\$21 00
11 x 14 " " " " " " " " " " " " " " " "	50 00
Empire Camera Stand for 8 x 10.....	15 00
8 x 10 Revolving Adjuster.....	10 00
11 x 14 " " " " " " " " " " " " " " " "	12 00
Extra 4 1/4 x 6 1/2 Holders, }.....	each, 1 50
" 5 x 7 " " " " " " " " " " " " " " " "	
" 5 x 8 " " " " " " " " " " " " " " " "	

The Irving-Clay Camera.

The name of this new Camera is in itself a description of the instrument. As the name indicates, it is a combination of the two leading cameras of their respective styles—the "Irving," which is the most accurately adjusted and practical folding tripod camera, and the "Henry Clay," the most popular hand and tripod folding camera. It is at once evident that an instrument embodying the best features of these two cameras must necessarily be the highest ideal of perfection.

In appearance the Irving-Clay Camera does not differ essentially from the regular Henry Clay. It is neatly covered with black leather of fine quality, and the only sign of the mechanism visible are two knobs on top. By pressing one of these springs, a small trap door where the holder is inserted when vertical views are to be taken, is opened; and the other releases the front of the case. When the front side is released it is pressed down until the brass supports at each side become locked, thus making



it firm. On the opposite side there is a button that lets down the door which reveals the ground glass for focusing. The camera is drawn out the same as the Henry Clay, and the focusing is accomplished by means of an accurately adjusted rack and pinion movement. The front of the case is so arranged that it can be let down below the horizontal plane to get it out of the way when a very short focus lens is used. The rising front of the camera has a vertical swing, and the back, which is reversible, has also a swing on the principle of the Irving. The ground glass is self-adjusting, with a patent spring. We attach great importance to the reversible back, for one of the serious objections to the use of large hand-folding cameras has been the necessity of reversing the whole instrument which means screwing and unscrewing the camera from the tripod, an operation which consumes a great deal of time and patience. It has also the additional advantage of a removable lens board for the interchange of lenses. The camera is highly polished inside, and presents a very attractive appearance.

PRICES.

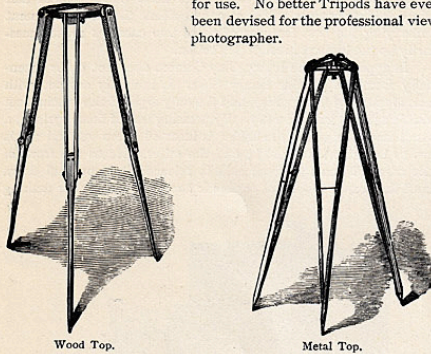
6 1/2 x 8 1/2, with two Double Irving-Clay Plate Holders.....	\$45 00
8 x 10, " " " " " " " " " " " " " " " "	50 00



Tripods.

Peerless Folding Tripods for Field Photography.

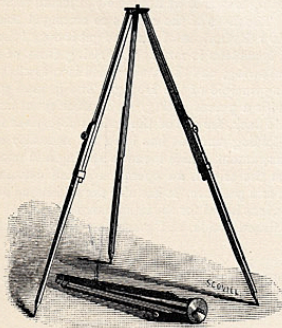
Manufactured from selected second growth ash, with brass mountings and folding legs, which make them very light and portable; yet they are perfectly firm and rigid when extended for use. No better Tripods have ever been devised for the professional view photographer.



No. 1.—Peerless double-jointed legs	6 inch wooden top	\$2 85
" 2. " hinged	" "	4 75
" 4. " " " "	" metal top	9 50
" 5. " six foot, rigid	" wooden top	6 00
" 6. " " " "	" "	8 00

The above tripods are so constructed that they can be easily taken apart for packing, and yet can, when in use, be made as stiff and solid as though carved from a solid block.

The Scovill Extension Tripods.



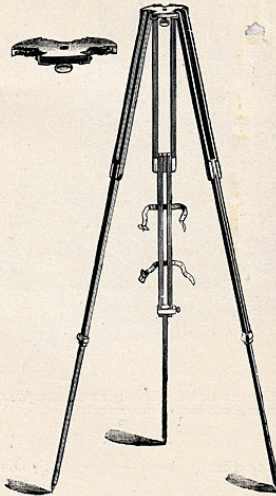
This Tripod possesses special advantages. It can be set up, ready for use, quicker than any other, and with less trouble. By turning the brass buttons shown in the accompanying illustration, the legs may "in a twinkling" be extended to the desired length, and fastened. When this Tripod is placed on uneven ground, the camera it supports may be brought to the proper level by simply adjusting the length of the Tripod legs. Another commendable

feature of the Scovill Extension Tripod is, that it has no detachable parts to be misplaced or lost. Combining as it does firmness, strength and lightness, this Tripod must at once find favor with the professional view-taker, who very often wastes valuable time or loses opportune moments in placing the Tripod legs and changing their position to include just what is wanted in a picture and to level the camera.

No. 1, for 1-4 and 4 x 5 Cameras	each	\$3 00
" 2, " 5 x 8	"	3 50
" 2 1/2, " with Brass Circle	"	3 50
" 3, " 6 1/2 x 8 1/2	"	3 50

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.

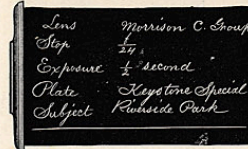
No. 1.—Cherry-Wood	\$4 50
" 2.—" "	6 00
" 3.—Spruce (very light)	6 00

Photographic Apparatus.

Registering Slides.

(PATENTED.)

Will be supplied with new American Optical Co.'s Dry-Plate Cameras and Amateur Outfits up to 10 x 12 size without addition to present price list.



Extract from "PHOTOGRAPHIC TIMES," March, 1884.

In the pleasure or excitement attendant upon picture-taking, amateurs 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 picture?"
 "Shall I incur the risk of making a double exposure?"
 The answer thereto will have themselves only to find fault with if they do not procure and use in their dry-plate holders registering slides, 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. Before taking a picture, the mottled surface of these slides is seen; afterward they are turned, so that the blackboard surface, which was toward the sensitive plate, is out, and the data respecting the exposures are penciled thereon—a very convenient place, by the way, to consult it when developing the plates.

The material out of which these Registering Slides is made is so hard that they outlast common paper slides in the proportion of five to one. Additional Holder Slides of this kind supplied at the following prices:

Price of Registering Slides.	
Each.	Each.
Size for 3 1/4 x 4 1/4	Size for 5 x 8
• 4 x 5	• 6 1/2 x 8 1/2
• 4 1/4 x 5 1/2	• 8 x 10
• 4 1/2 x 6 1/2	• 10 x 12
• 5 x 7	• 11 x 14
• 5 x 8	• 11 x 14

Registering Slides not made above 11 x 14 size.

Requisites for Film Photography.

The Scovill Double Film Holders are so much smaller, thinner and lighter than holders made for glass plates, that when first exhibited they were dubbed by some factious individual "pancake holders." With old cameras an "Adapter" should be used, because we do not make these new holders as large as glass-plate holders. These Adapters, with ground glass, are supplied at the same list price as the Scovill Double Film Holders, which are listed as follows:

Scovill Double Film Holders.

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

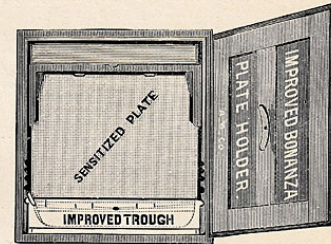
Films may also be used with Daisy, Light-Weight—Scovill Patent—and Plammang Holders, by placing in them Scovill Film Carriers, which are listed as follows:

Scovill Film Carriers.

3 1/4 x 4 1/4	\$0 10	5 x 7	\$0 17
4 x 5	10	5 x 8	22
4 1/4 x 5 1/2	11	6 1/2 x 8 1/2	26
4 1/2 x 6 1/2	15	8 x 10	30

The Improved Patent Bonanza Plate Holder.

The Photographer's Silver Saver.



Any practical photographer can, by one glance at the illustration, see where the great merit of this holder lies, how perfectly silver solution is saved, and how the trough may be fastened in the different grooves avoiding the necessity of kits.

This Plate Holder has now a world-wide reputation, and, because of its great merits, infringements have been attempted.

Being the sole agents for the manufacture and sale of the "Bonanza Holder," 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.

In ordering holders, parties should send their old holder as sample, if possible, to avoid mistakes; otherwise the exact dimensions of old holder should be given.

Please bear in mind that Bonanza Holders cannot be put on any camera that will not take a silver-saving bottle in the holder.

Price List of Bonanza Holders.

1-4	\$4 25	11 x 14	\$21 50
1-5	6 40	14 x 17	24 00
4 1/4 x 6 1/2 and 4 1/4 x 6 1/2	8 00	17 x 20	27 50
5 x 7	8 50	18 x 22	31 00
4-4	9 60	20 x 24	35 75
8 x 10	10 50	25 x 30	44 00
10 x 12	16 00		
Bonanza Holder for Cincinnati Camera with Rabbit Kits	\$12 75		
Multiplying	12 75		
Troughs for Bonanza Holders	1 50		

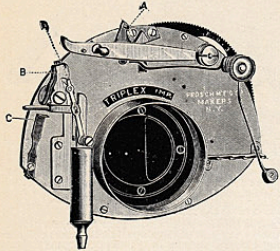
Solid Glass Corner Plate Holders, for Wet Plates.

Outside Holder only.	Price.	Outside Holder only.	Price.
For 3 1/4 x 4 1/4	\$4 40	For 8 x 10 and Cincinnati	
" 4 x 5	4 80	Box	\$8 50
4 1/4 x 5 1/2 and New York		" 10 x 12	11 00
Gem Box	5 00	" 11 x 14	13 40
4 1/4 x 6 1/2	5 50	" 14 x 17	16 80
5 x 7 and Victoria		" 17 x 20	19 50
Camera	6 25	" 18 x 22	22 00
5 x 8	6 50	" 20 x 24	24 00
6 1/2 x 8 1/2	7 30	" 25 x 30	32 00

Kits extra.
 5 x 8 Solid Glass Corner Holder for Stereo. Camera \$6 00
 Rabbeted Outside Holders 10 per cent. less than Solid Glass Corner Holders below 10 x 12 size. Larger sizes made to order.

Shutters and Finders.

The Triplex Improved Shutter.



The development of Photography, especially during the last decade, has brought the photographic shutter, or exposur, as it is sometimes very properly called, into great prominence. "Cap exposures" are almost a thing of the past, for nearly every outfit, however cheap and elementary, includes some sort of shutter, even if its range of speed is only from "time" to a tenth or a fifteenth of a second; indeed, the shutter is in many cases esteemed second only to the lens itself; and when we consider that the full use and benefit of a costly and high-class rapid rectilinear or doublet lens of any kind, can only be obtained by the attachment of a shutter, correctly constructed according to the optical laws applying to a lens, and having a range of speed from time exposures to at least $\frac{1}{100}$, and preferably $\frac{1}{150}$ of a second, this view of its importance seems but natural.

The photographer who begins to consider the question of procuring a first-class, all-around shutter to complete a good outfit, finds that there are many contrivances on the market which, were they to be judged by

their price, and the claims made as to their speed and qualities, ought to be first-class. Our correspondence, however, contains so many letters from those who have found themselves with a second or third, instead of a first-class instrument, especially in regard to speed, and are consequently compelled to buy over again, that we offer the following hints on the points required in

A PERFECT ALL-AROUND SHUTTER:

- It should permit a range of exposure from "time" to at least $\frac{1}{100}$ or $\frac{1}{150}$ of a second.
- It should have as good a co-efficient of light as is possible with the above quality.
- It should be simple, durable, with no delicate clockwork mechanism to become deranged.
- It must not, through powerful movement in one direction, shake or jar the camera.
- It should work at the diaphragm, as there is less space (at that point) to travel over for same speed.
- The first, third, fourth and fifth requirements are so obvious and self-evident that they speak for themselves. Concerning the second, the "co-efficient of light," however, there has been much discussion, as it is undoubtedly the most important point about a photographic shutter.

The "Triplex Improved" placed upon the market this season to succeed the "Triplex," is essentially like it, the working parts only having been altered to meet certain demands. Users of this shutter have always been extremely well satisfied with it, only one improvement seeming desirable, viz.: ability to "slow up" the shutter to a greater extent. The following are the

Features of the Improvements.

- A NEW RELEASE, by which the pneumatic is entirely detached from any connection with the lever-bar during instantaneous exposures.
- FOUR SPRINGS are furnished with each shutter, instead of two, as heretofore, giving, in connection with the new release, the great range of exposures shown in the
- SPEED CARD, furnished with each shutter, which has been compiled after a series of careful tests, and is approximately as correct as anything of the kind can be.
- By the above alterations, the ordinary sizes range in speed from $\frac{1}{32}$ to $\frac{1}{150}$ of a second, and give both the possibility of making a much slower, and also a considerably more rapid exposure than the Triplex.

Fitting to Lenses.

The Triplex Improved being fitted between the combinations of the lens, each shutter also contains an entirely new lens tube, the original lens tube or barrel not being cut in any way, unless specially ordered, but returned intact.

Rotary stops are fitted to all shutters, when possible. Shutters may also be adapted for use with Waterhouse or plain stops, same price.

Shutters are fitted, unless otherwise ordered, having same full opening as lens. We prefer, under all circumstances, to have at least customer's lens tube, and do not guarantee fit unless we have complete lens. Where the lenses come very close together, as in the Zeiss and Goerz lenses, we must have entire lens.

We would point out that the very small space needed between the combinations for shutter, renders the Triplex Improved well adapted for such lenses as the Zeiss, Goerz, etc., when there is but slight room.

PRICE LIST OF "TRIPLEX IMPROVED" SHUTTERS.

Size,	0	0A	1	1A	2	2A	3	3A	4	5	6	7	8
Aperture, inches,	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{4}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price,	\$12.50	13.00	13.50	14.00	15.00	15.50	16.00	17.00	18.00	20.00	22.00	26.00	35.00
Extra for Aluminium,	\$3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00				

N.B.—When the combinations of lens come so close together that it is necessary to fit stop inside of shutter case, extra \$1.50.

Shutters and Finders.

Scovill Time and Instantaneous Shutter.

That the substitution of a pneumatic release for the ordinary trigger on a wood drop-shutter greatly enhances its value, "goes without saying."

The Scovill Time and Instantaneous Shutter is fitted with Pneumatic Attachment, which may be worked at a considerable distance from the Camera, thus enabling the operator to form part of a group or to be included in a view he is photographing. This Shutter may be used for either timed or instantaneous exposures; the change is made by simply moving a switch.



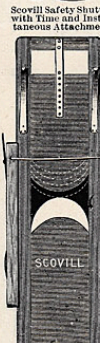
Scovill Universal Safety Shutters.



Scovill Safety Shutter, with Time and Instantaneous Attachment.

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 4 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 all these Shutters make them 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 Shutters."



Scovill Universal Shutter.

No.	Width of Opening in Slide.	Scovill Universal Shutters.	Universal Shutters, with Pneumatic Release.	Scovill Safety Shutters.	Safety Shutters, with Pneumatic Release.	Universal Time and Instantaneous Shutter with Pneumatic Release.
1	1 1/4 ins.	\$2 70	\$4 20	\$1 20	\$2 70	\$4 70
2	1 1/2 "	2 80	4 30	1 30	2 80	4 80
3	1 3/4 "	2 90	4 40	1 40	2 90	4 90
4	2 "	3 00	4 50	1 50	3 00	5 00
5	2 1/2 "	3 10	4 60	1 60	3 10	5 10
6	3 "	3 25	4 75	1 75	3 25	5 25

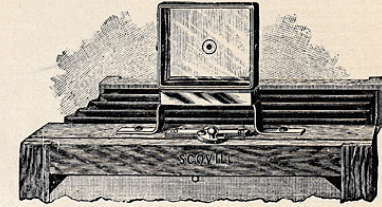
When ordering these Shutters, exact diameter of hood of lens should be given, so that the proper circular opening may be cut out to exactly fit hood of lens. For sale by all dealers in photographic material.

Scovill Magic Finders.

(PATENTED.)
UNEQUALLED FOR LANDSCAPE PHOTOGRAPHY.

Ordinary Finders are quite unsatisfactory, on account of the reversed image which they reflect. While, with the camera, this reversal may be regarded as unavoidable, it is certainly a very undesirable feature in the finder, for it greatly interferes with the judgment of the operator as to the best arrangement of the desired picture.

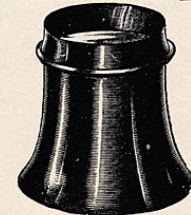
The ideal finder is the one having two negative lenses of rectangular form, mounted close together in a nickel-plated frame, on the bottom of which is a sliding piece, by which the finder can easily be attached to the camera.



Looking through the finder from the proper distance, toward the view to be taken, the operator sees before him a correct, right side up, and delightfully brilliant and sharp miniature picture of the view before him, the little frame taking in the full picture projected by means of an instantaneous lens on the ground-glass of his camera. Two circles, marked in the exact centers of the front and back surfaces of the combination, serve to enable the operator to bring any certain part of the view to the exact center of the picture by placing the eye so that the two circles cover each other, and at the same time adjusting the camera so that the selected part of the view appears inside the circles.

The Scovill Magic Finders are light, ornamental, easily adjusted and detached, and are now considered indispensable by successful view takers.

- No. 1, for 4 x 5 Camera \$1 50
 - " 2, " 5 x 8 " 1 75
 - " 3, " 6 1/2 x 8 1/2 " 2 00
 - " 4, " 8 x 10 " 2 50
- C. C. H. Focusing Glass.
This is a desirable little instrument for aiding the operator in getting a sharp focus.
C. C. H. Focusing Glass \$4 00
Dark Focusing Glass 2 50
C. C. H. GLASS. Scovill Focusing Glass. 75
Save your eyes by using one of these instruments.

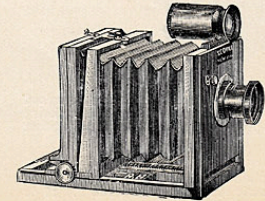


Waterbury Focusing Glass.

Waterbury Focusing Glass, Rubber.....each, \$0 50

Peerless View Finder.

Price, each.....\$1 50



The Waterbury Finder.

To Attach to Camera for Instantaneous Work.. \$3 00

Accessories for the Operating Room.

Knell Chairs.

Turkish Chair.

The design and art of upholstering is to slope the back and the seat down to give room for the garments. The back is so curved to assist the artist to get good positions for children. Figured goods for covering; colors especially selected to take easy.

Price.....\$16 00

Grecian Chair.

A very attractive modern design, elegantly upholstered; has removable arms, spring seat, plain or tufted back, spun silk covering.

Price.....\$18 00

Pharaoh Chair.



The back of this chair can be raised and lowered; the arms can be removed at will. This chair is very durably made, richly carved, spring seat, spun silk covering, suitable colors.

Price.....\$28 00

Pharaoh Chair No. 2, is less expensive in the woodwork; spring seat figured Ramie covering..... 18 00

Roman Chair.

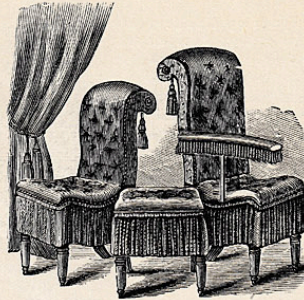


Has a prominent carved front and back; arms can be raised or lowered, or fixed with one arm so as to form a corner chair; handy to have for children; spring seat, spun silk covering, select colors.

Price.....\$28 00

Roman Chair No. 2 is made plainer in the woodwork; substantially upholstered, Ramie covering, good colors..... 18 00

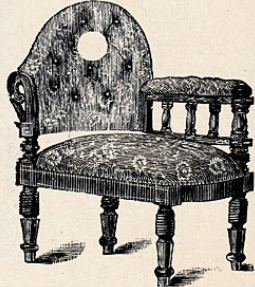
The Scovill Improved Posing Chair.



This is the most substantially made of any Posing Chair in the market, and is universal in its adaptation to the requirements of the modern skylight. The frame of the chair is made of iron, and the upholstering is done in the best drab velvet etc. The back, which raises and lowers—running on iron uprights—sets itself at any desired height. The chair is so constructed that one or two arms may be used at pleasure. A short back is supplied, if desired, for posing children.

Price of Chair with Long Back.....\$40 00
Short Back for this Chair..... 15 00
Arms, each..... 2 50

Queen Anne Child's Lounge



A novelty itself; the open space between the seat and back is for the garments; the hole made in the back indicates its usefulness, and the back is so curved to hold a child comfortably; the seat stands twenty inches high; covering selected to take easy.

Price.....\$16 00

Sliding Arm Chair.

The pioneer of Photographic Chairs. Green Terry covering, six inch fringe.

Price.....\$8 00

Artificial Ivy.

Natural Green, per yard..... \$0 25

East India Grass Mats.

3 x 6 feet, each..... \$1 00

Linen Grass Mats.

2 x 4 size, each..... \$0 67
2 x 5..... 88
2 x 6..... 1 00

Fichus.

Lace Scarfs for the operating room, each..... \$0 25

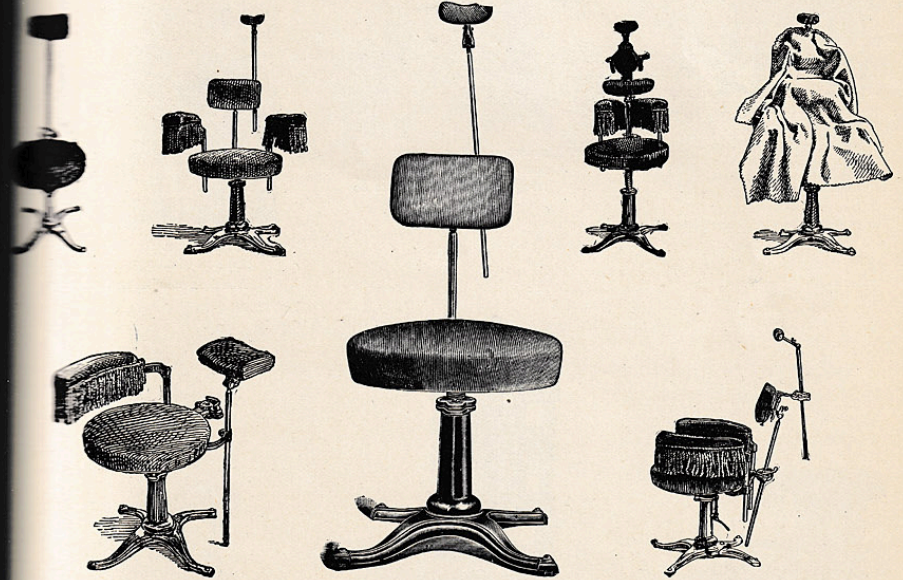
Accessories for the Operating Room.

White's Specialties.

Each article herein named has a distinctive use, and all are the result of careful study and invention, by one having long training and experience in the production and handling of refined mechanism, and instruments requiring precision of action, freedom of movement and delicate adjustment.

White's Posing Chair.

This Posing Chair is, without exception, the most perfect piece of mechanism of its kind to be found. It is fitted in the most perfect manner with the ball and socket joint, which is applied in such a variety of ways as to make an almost endless variety of positions possible.



The adjustable extension movement in ball and socket joints affords a mechanism whereby motion in all directions is controlled by a single lever, or one point of fastening. When this fastening is released the ball-sections open around the slide-rod, which is then free to be moved to any place through its entire range as the human hand, while a touch of the lever in the opposite direction causes the equal closure of the space around the slide rod without varying the adjustment in the slightest degree, and there the chair holds it in the desired position.

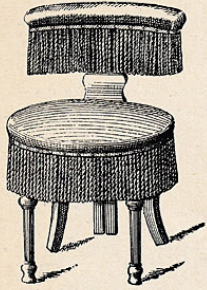
Reference to the cuts will show a few of the many changes which can be made in this chair by simply loosening the set screw. It may be used with any or all of the various parts, and is offered to the trade as the only perfect posing chair in the market.

PRICES, BOXED.

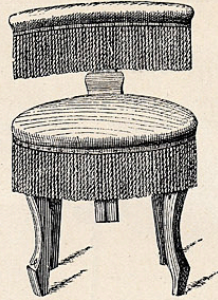
Posing Chair, complete.....	\$42 00
If without head rest.....	34 00
and arms.....	26 00
and baby holder.....	18 00

Accessories for the Operating Room.

Schindler's Goods.



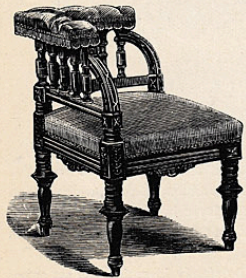
1
\$7 50



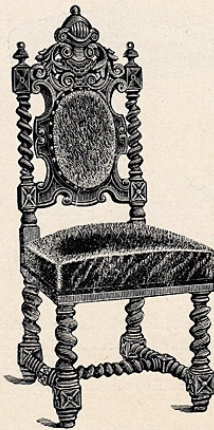
2
Hardwood frame, spring seat, velveteen 6 inch fringe\$12 00



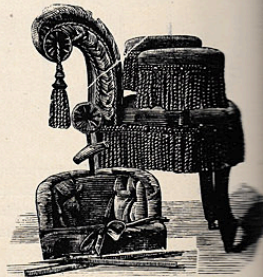
23
Richest and best for babes and children of all ages\$12 00
Absolute comfort and security.



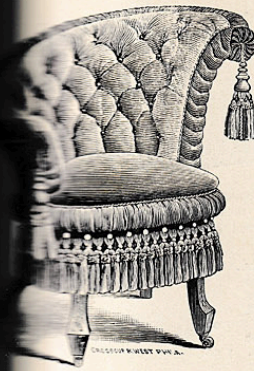
60 A
\$18 00



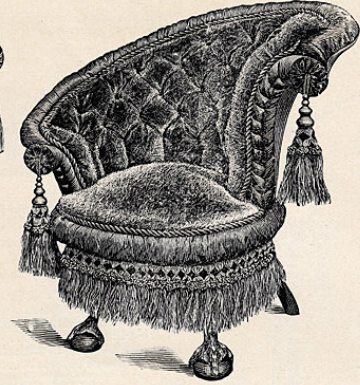
57
All wood carving..... \$25 00
Pulp top facing..... 18 00



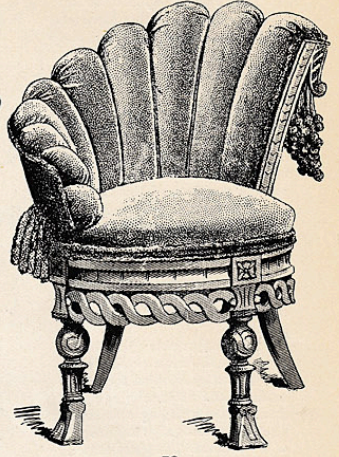
33 C
Serpentine seat, velveteen 6 inch fringe, back rises 10 inches...\$25 00
Square seat, round corners 22 00
Baby Attachment 20 00
Back rises 12 inches.



53
heavy velveteen,\$24 00



53 AA
Claw feet, rich trimmings \$28 00



72
All wood carving, double thick velveteen.....\$30 00

Accessories for the Operating Room.

Schindler's Goods.

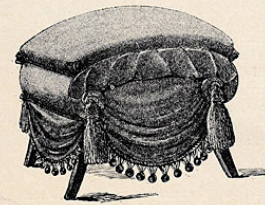


64
wood carving, leather seat, \$28 00
pulp facing 16 00
seat 9 inches high in back.

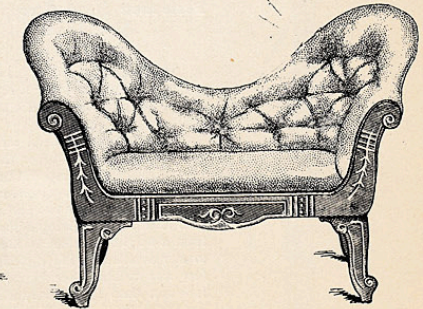
Relief Pulp Composition Background Decoration.

Armor and Weapon Trophies of the fourth, fifth and later centuries, mounted on shields or separate.

OVER ONE HUNDRED ARTICLES FOR PHOTOGRAPHIC POSING AND DECORATIVE PURPOSES. MAKE KNOWN YOUR NEEDS.



69 A
With a roll and wedge for posing\$20 00



29
Children's Sofa in velveteen, mahogany, room for three, 3 feet long.....\$16 00
Lounge, one low end..... 12 00

Accessories for the Operating Room.

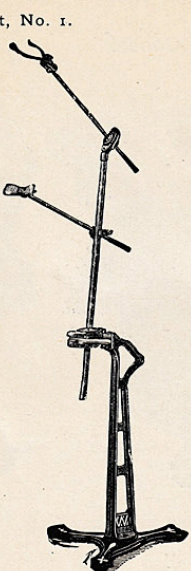
Posing Support, No. 1.

This Posing Support has the applied principle of the improved combination slide-rod, ball and socket joints. It is adapted to the smallest or tallest person, and for all adjustments or positions.

The ear-clips of the support have swiveling adjustment as well as lateral or spread movement combined at one fastening, affording facility for either horizontal or vertical positions of the carrying rod, placing the parts to conform to the pose without regard to instrument itself, or the liability of portions thereof appearing in view. A detachable back rest is provided, which has all desirable facilities of adjustment easily and quickly handled.

The adjustable joints are formed in the most perfect manner, especially adapted for giving accuracy and uniformity of movement, and the sliding rods are of steel of accurate gauge, and are plated with nickel. The stand is nicely japanned with blue and gold line ornamentation.

Price, complete, boxed, \$20.00.



Posing Support, No. 1.

Posing Support, No. 2.

This cut shows another form of the posing support of somewhat lighter construction, and lacking the ball and socket joint at top of base, but which is instead provided with telescopic movement and handle for convenience in moving about the studio.

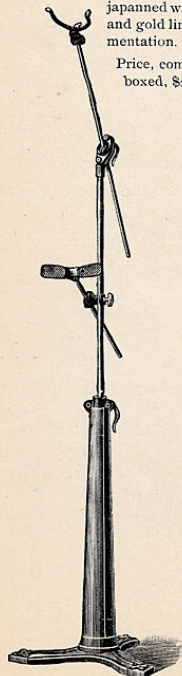
Price, boxed, \$14.00

Perfection Head Screen and Side Shade.

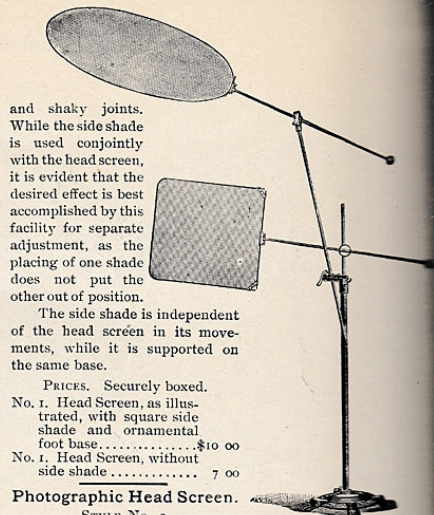
STYLE No. 1.

The base standard has the double or duplex joint, providing a separate rod for the new compound clamping and swiveling joint.

In this style the head screen is held by a projecting joint on the base support, having the sectional ball and slide rod movement, which extends its range more than two-fold in the area it will cover, giving adjustment from a height of 8 feet to the floor, to any position within a circle of 8 feet, and without other means of adjustment than is instantly afforded by the cam lever, which latter is provided with a nut to take up any wear occasioned by use, as are all the joints provided against wear. None of the parts have back-lash or loose



Posing Support, No. 2.



and shaky joints. While the side shade is used conjointly with the head screen, it is evident that the desired effect is best accomplished by this facility for separate adjustment, as the placing of one shade does not put the other out of position.

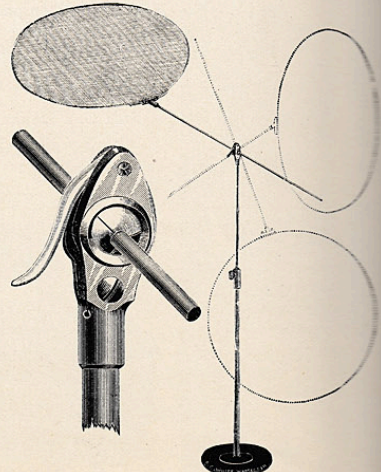
The side shade is independent of the head screen in its movements, while it is supported on the same base.

Prices. Securely boxed.
No. 1. Head Screen, as illustrated, with square side shade and ornamental foot base.....\$10 00
No. 1. Head Screen, without side shade..... 7 00

Photographic Head Screen.

STYLE No. 2.

This style head screen is the same as previously and of which a large number have been sold. It has a base with the elevating rod telescoping into the base without the off-set or projecting sectional ball joint. The adjustment of the elevating rod is made by a saddle and thumb



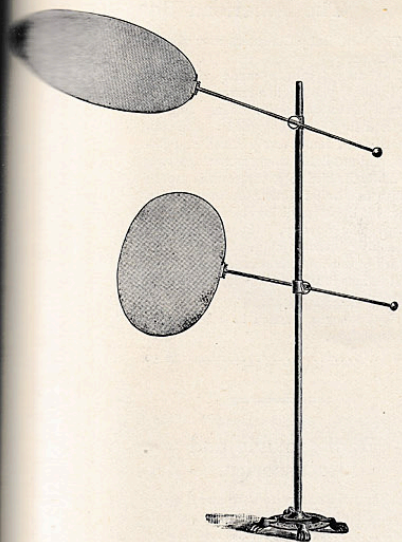
at the top of the base standard. In all other respects it is No. 1, having the same slide rod ball and socket joint with cam lever, as shown in detail in this cut. Side shades can be used with this style of head screen, attached by the improved clamping joint to the elevating rod.

Price, No. 2, Head Screen, with oval side shade, incl. box.....\$

Accessories for the Operating Room.

Photographic Head Screen.

STYLE No. 3.

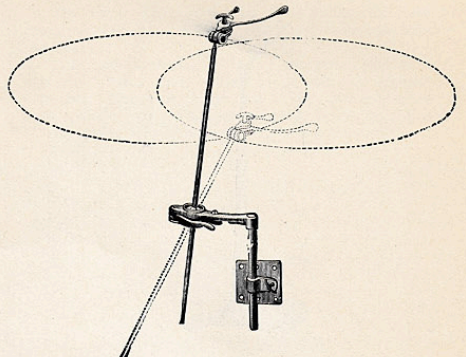


This is a new pattern, having ornamental foot base. The shade is in one piece, 1 1/4 inch diameter, 6 feet high, of hard wood. It has the new compound clamping and swiveling joint, affords adjustment to all positions in a secure and practical manner, by one fastening. By slightly releasing the clamping joint the shade rod is free to slide or be turned to place the shade at any angle around the supporting standard. A greater release of the clamping joint permits adjustment of the screens up or down on the standard.

PRICES.

No. 3. Head Screen, as illustrated, with oval side shade...\$7 00
No. 3. Head Screen, as illustrated, with square side shade..... 7 50
No. 3. Head Screen, as illustrated, with round side shade..... 4 50

Photographic Chair Rest.



This appliance is for attachment to any studio chair by means of the plate, into which the supporting rod slides and, as shown by cut, has the ear clips and ball and socket adjustment, and, as shown by dotted lines, may be applied in almost any direction or angle. It will be found to be a very valuable accessory. Price, \$8.00.

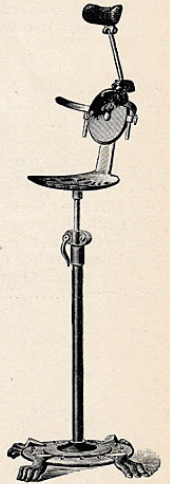
Baby Holder.

This has all needed adjustments for contraction and enlargement to accommodate infants, from the smallest to those about three years of age.

It may be successfully employed in scenic effects, for nicely disposing infant among representations of nature. The baby holder is furnished with a telescoping standard support having an ornamental base; or, if preferred, with an arm bracket to connect it to the arm of a chair or other support; or, with low down base.

PRICE.

With telescoping standard support, as illustrated, \$12 00



Accessories under the Skylight.

The "S. & A." Head Rests.



These are well made of first quality cast iron. The column is secured firmly by means of a strong wrought iron bolt passing through the base. All the thumbscrews are made of cast brass, which is stronger and more ornamental for this purpose than iron.

- Tall, complete, each \$3 25
- Short, complete, each 3 15
- Back Supports, extra 1 00

PARTS OF HEAD REST.

Base	Each	\$1 00
Pillars, tall	1 50	
" short	1 25	
Rods, tall	70	
" short	60	
Ear Pieces, complete	1 00	
Cross Heads	35	
Comets for Ear Pieces	20	
Bolts for Head Rest	15	
Washers for Head Rest	08	
Thumb Screws to hold Rod of Pillar	20	
" for Cross Heads	15	
Back Supports	1 00	

Jenny Lind Table Stands.

With 14-inch Round Top, each..... \$15 00

The American Songster.

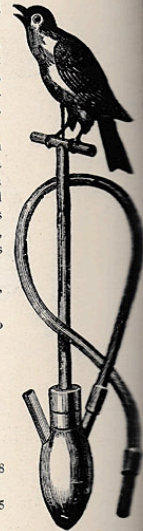
The best Baby Charmers ever offered to the trade.

The songsters are made of metal, nickel-plated, painted in a variety of bright colors in imitation of life. They sing as clear and liquid as song birds. Are substantially and handsomely made and finished, and not liable to get out of order.

While the bird sings it moves its mouth (or bill) and tail in exact imitation of a living bird. In addition to its being a photographic novelty, it is highly useful in teaching birds to sing. It supersedes the bird organ, and when used near a bird, it will induce it to start up its best notes immediately.

Each songster packed in a neat box, with directions.

Price..... \$0 50



Backgrounds and Accessories.

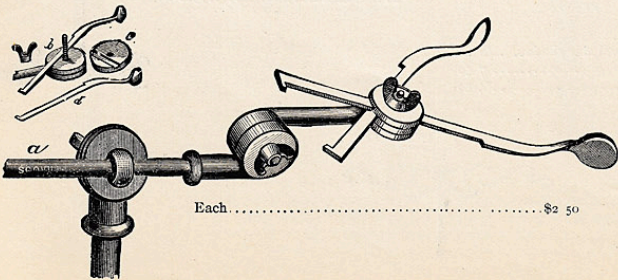
- Plain Painted Backgrounds, square ft. \$0 80
- Interior Painted Backgrounds, square foot..... 20 to 25
- Landscape Painted Backgrounds, sq. foot..... 15 to 45
- Sea View Painted Backgrounds, square foot..... 15 to 20
- Side Slip
- Plain Woolen, 8 feet wide and any length, square foot.....
- Rembrandt Painted Backgrounds, with frame.....
- Bracket Castors for Background Frames, with 2 1/2 inch wheel.....

Drapery Curtains.

Handsome Draperies for posing etc. Imitation of raw silk. 5 x 7 feet.

- No. 101.—Plain design, with border and fringe, each.....
- 112.—Figured design, with border and fringe, blue tinted.....
- 105.—Figured design, with border and fringe, orange tinted.....
- Velvet Draperies, with Grecian border.....
- Egyptian Curtains, with Grecian border.....
- Gros-grain Curtains, with Grecian border, \$20 to 25.....
- Turkish Drapery Curtains.....

Scholten's Head Rest Clips.

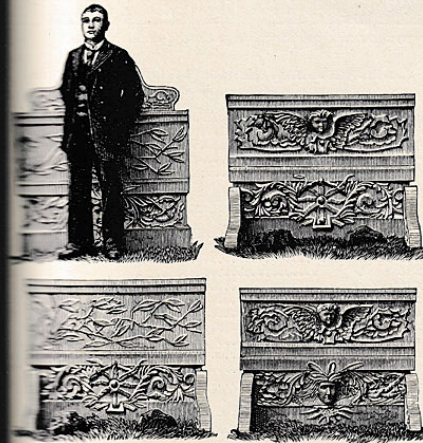
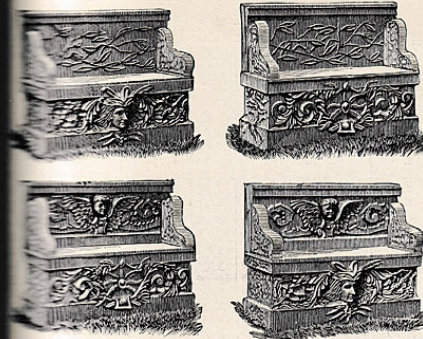


Each..... \$2 50

Accessories Under the Skylight.

The Eldorado Wall and Bench Combination.

Includes eight (8) different combinations. \$15 00



The Three Shield Plates.

These Plates are specially prepared for gallery work, where the greatest rapidity in the exposure is necessary. These Plates are the only ones that produce the soft effects of the wet collodion

PRICES.	
Dozen.	Size.
\$0 30	6 1/2 x 8 1/2..... \$1 65
30	8 x 10..... 2 40
35	10 x 12..... 3 80
45	11 x 14..... 5 00
65	14 x 17..... 9 00
75	16 x 20..... 12 50
90	17 x 20..... 13 00
100	18 x 22..... 15 50
110	20 x 24..... 18 50
125	

Felt Backgrounds.

The Scovill & Adams' Plain Felt Background, recently introduced, is a great boon to all photographers, both professional and amateur.

It is made of strong, thick and even stock, and is of an agreeable neutral drab color. It is especially suitable for vignetting. The texture of the cloth absorbs instead of reflecting light, and thus produces soft effects, and agreeable depth in print. The liability of defacement by water stains is obviated.

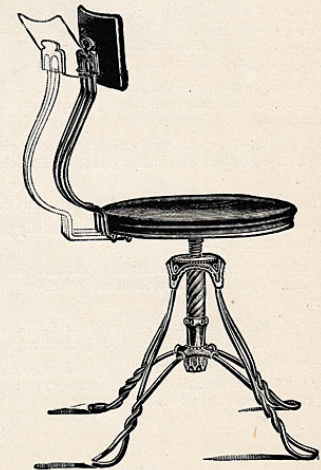
The prices of these grounds are as follows:

4 x 6 feet.....	\$2 50
5 x 6 ".....	2 75
6 x 6 ".....	3 00
6 x 7 ".....	3 50
6 x 8 ".....	4 00

These sizes may be sent by mail on receipt of 35c. extra.

THE "ALASKA"

Is the Latest POSING CHAIR for Bust Portraits.



The legs, back and frame are of oxidized steel; seat and back-support are of oak. The seat revolves and can be raised or lowered to any desired height. The back slides backward and forward, as shown in the cut, and the back-support automatically adjusts itself to give a maximum of comfort to the sitter. The "Alaska" is the most comfortable posing chair on the market.

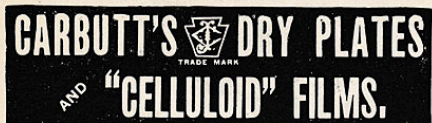
Price (f. o. b., New York), \$7.00.

Dry Plates and Films.

Dry Plates.

We supply plates of the following standard brands: Carbutt Keystone, Cramer, Seed, and Wuestner's Eagle, at the market prices, and call special attention to the price list and formula of the various reliable plates made by the veteran John Carbutt, as below.

Brands and Sensitometer Numbers.



"ECLIPSE," Sen. 27.—Is extremely sensitive, and specially intended for quick studio exposures, concealed and detective cameras, instantaneous views, and magnesium flash-light photography.

"SPECIAL," Sen. 25.—For portraits, instantaneous views, outdoor groups, etc. Blue Label. This plate, and our Ortho. Sen. 23 to 25, are the best plates for professionals and view work.

"ORTHOCHROMATIC" Plates, Sens. 23 and 27, give correct color values. The best plates for landscapes, interiors, photography, portraiture in varied-colored draperies, photographing paintings, flowers, etc.

"B" Plates, Sens. 16 and 20.—For landscape views and general photography. Admittedly the finest plate for professional and amateur all-around work.

"B" PROCESS Plates.—For use by photo-lithographers, photo-engravers, and zinc-etchers in making intense and clear-line negatives.

"A" GELATINO-ALBUMEN Plates.—For lantern-slides and copying.

"A" GELATINO-ALBUMEN GROUND GLASS Plates, specially prepared for window transparencies.

STRIPPING PLATES.—For photo-mechanical printers. Emulsions "B" 20 and "Special" 25, kept in stock. "Eclipse" 27 made to order.

"CELLULOID" FILMS—TRANSPARENT.—Emulsion "B," Sen. 12, for producing intense negatives for photo-reproductive processes.

"CELLULOID" FILMS—MATT-SURFACE.—Emulsions "Eclipse," Sen. 27; "Orthochromatic," Sens. 23 and 27; "Special," Sen. 25; "B," Sens. 16 and 20.

The Hammer Dry Plate

Satisfies those who want the Best.

For they are the standard of EXCELLENCY, RAPIDITY, and UNIFORMITY.

INCOMPARABLE for the Studio.

for Landscape Photography.
for the Hand Camera.
for Interiors.

To-day are even better than ever

Price List Carbutt's Dry Plates, Celluloid Films and Specialties.

Eclipse, Ortho. 23 and 27, Special 25, B 16 and 20, Process and A. Transparency.

SIZE OF PLATES.	Per Dozen.	Strippings Per Dozen.	NON-HALOATION.		Ground Glass Transparency Plates.	No. of Dozens in Case.	OPAL PLATE.	
			Plain.	Strip.			Plain.	Ground.
Lantern Plates	\$0 55	.....	.....	.....	.....	36	.....	.....
3 1/2 x 4 1/2	45	.....	\$0 55	\$0 65	.....	36	\$0 55	\$0 65
4 x 5	65	.....	.....	.....	.....	36	.....	.....
4 1/2 x 6 1/2	90	.....	1 10	1 30	1 15	24	1 20	1 30
4 1/2 x 6 1/4	1 00	.....	1 20	1 35	.....	24	.....	.....
5 x 7	1 10	\$1 45	1 30	1 55	1 40	24	1 50	2 00
5 x 8	1 25	1 65	1 50	1 75	1 60	24	1 70	2 00
6 1/2 x 8 1/2	1 65	2 20	2 00	2 35	1 15	12	1 20	1 45
7 x 10	2 10	2 80	2 50	2 95	.....	12	.....	.....
8 x 10	2 40	3 20	2 90	3 45	1 05	12	1 75	2 10
10 x 12	3 80	5 00	4 50	5 40	2 50	4	2 65	3 10
11 x 14	5 00	6 60	6 00	7 50	3 20	3	3 50	4 10
14 x 17	9 00	12 00	10 80	12 95	5 50	2	6 00	7 10
16 x 20	12 50	16 60	15 00	18 00	.....	1	.....	.....
17 x 20	13 00	17 30	15 60	18 70	.....	1	.....	.....
18 x 22	15 50	20 00	18 80	23 75	.....	1	.....	.....
20 x 24	18 50	24 50	22 20	26 60	.....	1	.....	.....

10 x 12 and larger sizes are packed 1/2 dozen in a box.

Celluloid Films, Eclipse or Orthochromatic

FOR PANORAMIC CAMERAS.

Size, 10 x 22 inches.	per dozen.	per doz.
10 x 30
16 x 43
18 x 48
20 x 50

French Measure

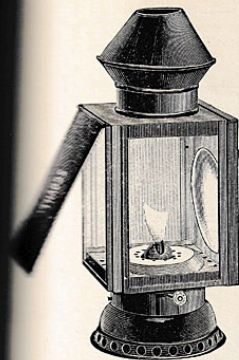
PLATES AND FILMS.

9 x 12 Centimeter	Plates
12 x 16	\$0 60
12 x 16 1/2	95
13 x 18	1 00
12 x 20	1 25
18 x 24	2 20
21 x 27	2 85
24 x 30	3 80
27 x 33	4 50
30 x 40	5 75

CARBUTT'S LANTERN PLATES, 55 cts. per dozen, on specially reported thin Crystal Glass, size 3 1/4 x 4.

Accessories for the Developing Room.

The New Peerless Lantern No. 3.



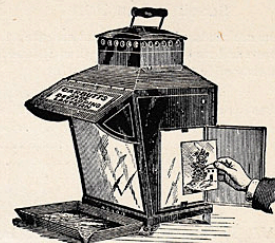
Scovill's Peerless Dark-Room Lantern has long been a favorite with photographers, both professional and amateur. Many thousands have been sold during the years it has been upon the market. Improvements of a minor nature have been made in it from time to time by the manufacturers, but it has for the most part continued to sell substantially as it first appeared.

Recently, however, the manufacturers have given the lantern an entire overhauling. The result is a very much improved light and a more compact article.

The new Peerless Dark-Room Lantern is considerably smaller than the original, though giving a greater illumination. The new screen in front, to throw the light upon the developing tray, works with more convenience, not requiring the brass chain which the old lantern had. It also has a reflector inside, at the back of the lantern, to concentrate and better control the light. The new glasses—an orange and a ruby—enclose the lantern on four sides instead of one as heretofore, which makes the light not only more uniform for dark-room purposes, but also is pleasanter for the eyes of the operator. The wick may be manipulated from the side of the lantern, thus obviating the necessity of removing the lantern from the dark-room each time the wick needs adjusting. (The original lantern was so constructed that the lamp glass had to be removed before the wick could be adjusted.)

Price, boxed, ready for shipment.....\$2 50

Multum in Parvo Lantern.



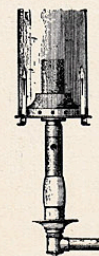
LANTERN ARRANGED FOR DEVELOPING, AND, AFTER FIXING, EXAMINING NEGATIVE BY OPAL LIGHT.

The following are some of the advantages possessed by this Lantern: It is simple and easy to manage, nothing complicated, yet has three separate and distinct forms of light, and can be used for seven or more different operations in photography. It is adapted for the use of either oil or gas; is provided with coal oil lamp, an improved patent burner and silver reflector; is about nine inches square by fourteen high, with 8 x 10 light of deep ruby glass in front, and hood for protecting the eyes from the glare of the red light. A full descriptive circular sent on application.

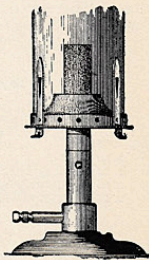
Price, boxed, ready for shipment.....\$6 00

The "Aladdin" Dark-Room Lamp.

PATENTED.



ALADDIN BRACKET LAMP.



ALADDIN TABLE LAMP.

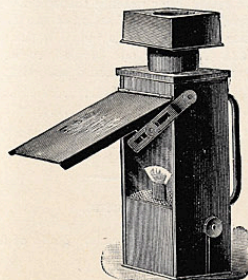
For use with gas. Burning the patent Sodium Wick, which produces a non-actinic chemical flame. It gives a beautiful yellow light for dark-room use, which is perfectly safe, without smoke or odor; more brilliant than the ordinary ruby light, and both pleasant and restful to the eyes. The lamp is made in two styles: the Bracket Lamp, which may be slipped over any ordinary gas burner, and the Table Lamp, for which the gas connection is made by rubber tubing.

Price, including non-actinic amber chimney, extra brass tip, and box of chemical wicks, in wooden box, complete.....\$3 50

Extra chemical wicks, sufficient for one thousand hours' lighting, per box.....35
Extra non-actinic amber chimneys.....each, 30

In ordering please specify whether Bracket or Table Lamp is desired.

W. I. A. Ruby Light Lantern.



Used when putting Dry Plates into the Holders, and also when developing them.

Price.....each, \$0 60

Accessories for the Developing Room.

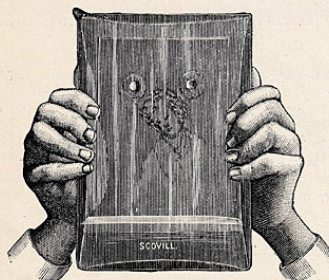
Glassware.

Scovill Glass Pans.

These Pans are made of the best metal and are as serviceable as porcelain ware and much less fragile than india-rubber ware. Their transparency adds to their practical value.

Size.	Price Each.
4 1/4 x 5 1/2 inches inside bottom of Pan	\$0 28
5 1/2 x 8 1/2	38
7 x 9	65
8 1/2 x 10 1/2	75

The W. I. A. Patent Solid Glass Pan.



With reservoir, and with slightly raised knobs to prevent the negative adhering to the bottom, is the first solid glass pan with reservoir, dispensing wholly with wooden rim or frame.

5 x 8 size	Price, \$1 25
5 x 8 improved	1 75
7 x 9	2 25

Ruby and Orange Glass.

FOR DARK ROOMS.

Sizes.	Per Light.	Sizes.	Per Light.
6 1/2 x 8 1/2	\$0 20	13 x 16	\$0 79
8 x 10	40	12 x 20	90
10 x 12	50	18 x 19	1 25
9 x 16	55	13 x 32	1 50
11 x 14	55		



The S. P. C. Reliable Graduates.

These Graduates are marked with great care and tested accuracy according to United States Pharmacopoeia Standard.

They have been selected for use in some of the largest laboratories in America, where perfect accuracy is essential.

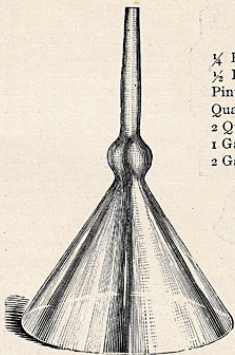
They are put up each in a pasteboard box, labeled, as a safeguard against breakage.

Minim.	\$0 20	8 oz.	\$0 45
1 oz.	20	12 "	60
2 "	20	16 "	75
3 "	25	24 "	1 00
4 "	30	32 "	1 25
6 "	35		



Glass Mortars and Pestles.

Glass, 2 1/2 inch.	\$0 15	Glass, 4 inch.	\$0 40
3 "	20	5 "	45
3 1/2 "	30	6 "	1 00



Glass Funnels.

1/4 Pint	\$0 20
1/2 Pint	25
Pint	35
Quart	45
2 Quarts	55
1 Gallon	65
2 Gallons	75

Bulb Funnel.

Pints	\$ 4 75
Quarts	5 00
Half Gallon	5 75

Fluted Glass Funnel.



This is the latest and best glass funnel ever made. They are very strong; are made in molds; have solid glass ribs on the inside, running vertically, thus forming passages through which the solution descends freely after passing through the paper, and accomplishing the filtration in a fraction of the time heretofore required. Another advantage of this funnel is, the outside of the neck is fluted, and the lower end beveled, so as to prevent choking up in the neck of the bottle and overflowing.

1/2 Pint	Each, \$0 20
1 "	25
1 Quart	35
2 "	45

Glass Forms.

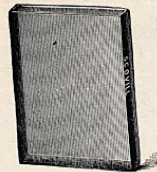
For cutting out Photographic Prints. Made of fine polished Glass, beveled edge.

Carte de Visite, square	Each, \$0 25
Stereo Cards, square or arch	40
Victoria Cards, square	50
Cabinet Cards, square	55
5 x 8, square	65
6 1/2 x 8 1/2, square	75

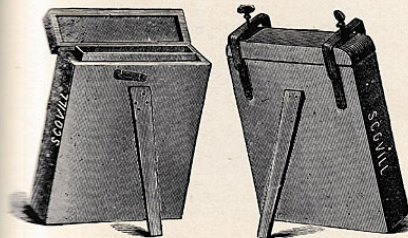
Accessories for the Developing Room.

Glassware.

Solid Glass Baths.

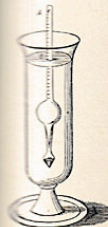


Made expressly for us of selected metal. Each bath will be guaranteed PERFECT in every respect. (We cannot guarantee against breakage in transportation.)



PRICES ARE AS FOLLOWS:

Size	In Original Package.	In Hinged Boxes, and Top for Studio.	In tight top Boxes, A. O. Co. make, for Outdoor Use.
4 1/2 x 7, for plate	\$0 95	\$2 50	\$5 60
6 1/2 x 10	1 30	3 25	6 30
8 x 12	2 00	4 50	7 60
10 x 14	3 50	7 00	10 00
11 x 14	5 25	8 75	12 00
14 x 20	20 00	24 00	27 50
17 x 20	30 00	40 00	43 00



Argentometer known as the Actino-Hydrometer.

For Testing Strength of Silver Baths.
Best Single Degree Scale.....\$0 50

Pile's Silver Test Tube.

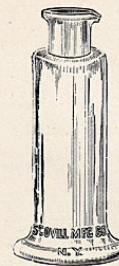
Price.....\$2 00

Collodion Filters.

12 oz.	\$1 25	12 oz.	\$2 00
16 "	1 35	16 "	2 50
16 "	1 35	24 "	2 50
32 oz.			\$3 75

Convex Glass.

	Per Doz.	Gross.
Card size, Oval or Square.....2 1/4 x 3 3/8 inches	\$0 25	\$2 25
Cabinet size, ".....4 1/4 x 6 1/4 "	45	5 40
Promenade size, Square.....4 1/4 x 7 1/4 "	65	6 75
Panel shape, Square.....4 1/4 x 8 1/4 "	80	8 50
Boudoir (R. C.).....5 1/4 x 8 1/2 "	1 05	11 00
Oval or Square.....6 1/2 x 8 1/2 "	1 25	15 00
".....8 x 10 "	2 50	30 00
".....10 x 12 "	6 75	81 00



Collodion Vials.

2 oz.	plain, \$0 15	Cometless, \$...
3 "	18	
4 "	20	80
6 "	25	90
8 "	30	1 25
10 "	35	1 50
16 "	55	1 75

Glass Stirring Rods.

8 inch, each	\$0 10	22 inch, each	\$0 30
12 "	15	24 "	38
15 "	20	26 "	45
18 "	25	30 "	50
20 "	27		

Both ends are glaze finished.

Hollow Glass Tubes.

FOR SILVERING PAPER.

(One end flattened to prevent its turning.)



15 inches long	1/4 inch diameter	each, \$0 25
19 "	3/8 "	40
24 "	1/2 "	50

These are much stronger than solid rods.

Glass Cutting Diamonds.



Ebony Handle, with Keys, each.....\$3 50
plain.....3 00
Engraving Diamond for numbering or lettering negatives... 75

Accessories for the Developing Room.

Porcelain Ware.

Porcelain Trays.

(The Dimensions given are for Inside the Bottom of the Tray).

	Shallow.	Deep
5 x 7	\$0 44	\$0 62
5 1/2 x 8 1/2	60	75
7 x 9	66	82
8 x 10	82	1 00
10 x 12	1 32	1 66
11 x 14	2 16	2 64
14 x 17	5 10	6 60
15 x 19	6 28	8 00
19 x 24	12 88	16 00

Berlin Porcelain Evaporating Dishes.

No.	Diameter, 16 inches, containing 3 Gallons.	Price
0.	14 " 2 "	\$3 50
1.	12 " 1 "	2 10
2.	11 " 3 Quarts.	1 75
3.	10 " 2 "	1 30
4.	9 " 3 Pints.	1 00
5.	8 " 2 "	85
6.	7 " 24 Ounces.	75

Baths, Stands, and Dippers.

	Baths.	Stands.	Dippers.
3 3/4 x 4 1/4	\$1 00	\$0 25	\$0 30
5 x 6 1/2	1 75	40	44
Stereoscopic	2 00	50	66
6 1/2 x 8 1/2	2 00	60	66
8 x 10	4 50	90	82
10 x 12	7 75	1 25	1 10
11 x 14	8 50	1 25	1 25
13 x 16	10 00	2 00	1 50
14 x 17	12 00	2 50	1 85

Covered Baths, Water-tight Rubber Tops.

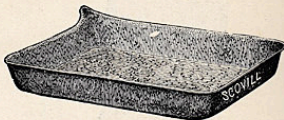
(Without Stand or Dipper.)

	Each.
3 3/4 x 4 1/4	\$1 05
Stereo. and 5 x 6 1/2	2 40
5 x 8 and 6 1/2 x 8 1/2	3 00
8 x 10	4 50
10 x 12	7 20
11 x 14	10 80
13 x 16	15 60
14 x 17	16 20

Agate-Iron Ware.

Patented May 30th, 1876, Feb. 27th and July 3d, 1877.

Agate-Iron Lipped Pans.



(The Dimensions given are for Inside of Bottom of the Tray.)

Nos.	Shallow.	Deep.	Nos.	Shallow.	Deep.	
31	5 x 7	\$0 80	\$1 00	34	10 x 12	\$2 00
32	7 x 9	1 00	1 25	35	11 x 14	3 00
33	8 x 10	1 25	1 60	36	14 x 17	5 00

Agate-Iron Evaporating Dishes.



No.	Diameter, 5 inches; Capacity, 1 Pint.	Each.
1.	8 " 1 Quart.	\$0 50
2.	9 " 1 1/2 Gallon.	1 00
3.	10 " 1 "	1 50
4.	12 " 2 "	2 00
5.	16 " 3 "	3 00
6.	18 " 4 "	4 00
7.	20 " 5 "	5 00
8.	22 " 6 "	6 00
9.	24 " 7 "	7 00

Agate-Iron Corrugated Funnels.



	Each.	Each.
Gill.....	\$0 34	Quart..... \$0 75
1/2 Pint.....	40	2 Quarts..... 1 10
Pint.....	46	4 Quarts..... 1 50

Agate-Iron Measures.



	Each.	Each.
Gill.....	\$0 45	Quart..... \$0 90
1/2 Pint.....	54	2 Quarts..... 1 08
Pint.....	68	4 Quarts..... 1 36

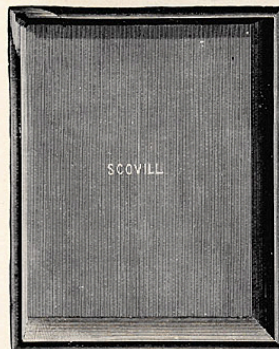
Accessories for the Developing Room.

Waterbury Trays.

(PATENTED.)

In response to repeated and urgent solicitations we were induced to put upon the market "Waterbury Trays," constructed upon more scientific principles than any other wooden tray in the market.

The following description and illustration is taken from the *Photographic Times*:



These Trays are far superior in design and finish to any previously offered. Canvas is not required for the seams, as they are virtually seamless. The bottom rests on cross-strips—a great improvement, for steadiness, over knobs at the corners, which are liable to be broken off. The Waterbury Trays do not warp or crack.

PRICE LIST.

Waterbury Tray	Each.
5 x 7	\$3 50
5 1/2 x 8 1/2	5 00
7 x 9	6 50
8 x 10	9 00

Vulcanite Trays.

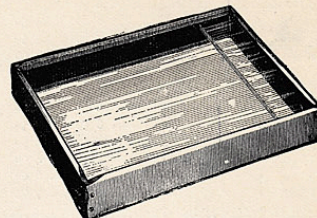
4 1/4 x 5 1/4	\$0 50	12 x 16	\$2 40
5 x 6 1/2	60	15 x 18	4 25
6 1/2 x 8 1/2	70	18 x 22	5 00
7 x 9	85	19 x 24	5 75
8 x 10 1/2	1 15	21 x 26	7 50
9 x 12 1/2	1 75		

Papier Mache Trays.

4 1/4 x 5 1/4	each \$0 25	14 1/4 x 17 3/4	each, \$2 75
5 x 6 1/2	" 30	16 1/2 x 20 1/2	" 3 25
6 1/2 x 8 1/2	" 40	19 1/2 x 23 1/2	" 5 00
7 x 9	" 60	23 x 27	" 6 00
8 x 10 1/2	" 90	26 x 30	" 9 75
9 x 12 1/2	" 1 25	28 x 34	" 10 50
10 x 14 1/2	" 1 75		

The Acme Glass Bottom Reservoir Trays

For Developing Dry Plates.



These Trays enable the operator to develop a plate without removing it from the solution until fully developed.

They are made of walnut, with glass bottoms, and receptacle at one end to hold the solution while looking at the plate. They also have buttons adhering to the glass to prevent suction.

They are lined with acid proof cement, and warranted not to leak.

PRICES FOR TRAYS WITH RESERVOIR TO DEVELOP.

5 x 7 Plate and smaller	\$1 00
5 x 8	1 20
6 1/2 x 8 1/2	1 25
8 x 10	1 30
10 x 12	2 00
11 x 14	2 25
14 x 17	4 00
15 x 18	4 00

20 x 24 Trays for silvering whole sheets, without reservoir but with double thick glass bottom..... 5 00

Patent Black Japanned Developing Trays.

Made of selected metal for dry-plate photography, with depressions to prevent plate adhering to the Tray.

Size.	Price, each.	Size.	Price, each.
4 1/4 x 5 1/4 inches.	\$0 20	15 x 18 inches.	\$1 00
5 1/2 x 8 1/2	25	19 x 22	2 00
7 x 9	30	22 x 26	2 50
9 x 11	40	24 x 30	2 75
10 x 12	50	26 x 32	3 00
12 x 15	60		

Celluloid Trays.

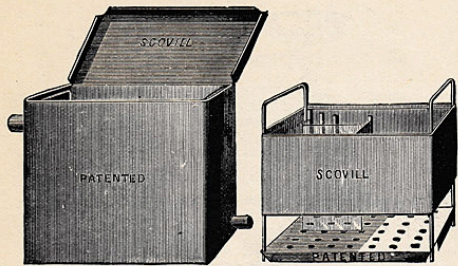


Size.	Price, each.
4 1/4 x 5 1/4, for 4 x 5 Plates.	\$0 50
5 1/2 x 8 1/2, " 5 x 8 "	72
7 x 9, " 6 1/2 x 8 1/2 "	85
8 1/2 x 10 1/2, " 8 x 10 "	1 15

Accessories for the Developing Room.

The Scovill Negative Washing Boxes.

(PATENTED.)



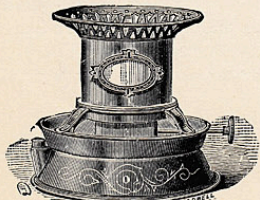
The Scovill Negative Washing Boxes are all now made adaptable and so that plates may be taken out without putting the fingers in the washing water (See illustration.) The perforated bottom prevents water from passing through the box with too great force, and distributes it so that every plate and every portion of a plate is equally washed, and this cannot be done with any other washing box.

(ADAPTABLE.)

	Each.
For 3 1/4 x 4 1/4 Plates	\$1 60
• 4 x 5 and smaller sizes	1 75
• 4 1/4 x 5 1/2	1 90
• 4 1/4 x 6 1/2	2 00
• 5 x 7	2 30
• 5 x 8	2 15
• 6 1/2 x 8 1/2	2 25
• 8 x 10	2 50
• 10 x 12	4 00
• 11 x 14	5 00
• 14 x 17	7 50
8 x 10 Adjustable Washing Box	4 00
Adjustable for 6 1/2 x 8 1/2, 5 x 8, 5 x 7, 4 x 5, 3 1/4 x 4 1/4 plates.	
<i>All sizes to be washed at once.</i>	

Coal Oil Stoves.

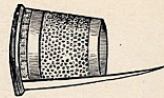
FOR PHOTOGRAPHERS.



SUMMER QUEEN.

No. 1. One burner, 3 in. flame	\$1 80
• 2. Two " each 3 in. flame	2 50
• 2 1/2. " " " 3 1/2 "	3 00
• 3. " " " 4 "	3 50

Scovill's Efficient Plate Lifter.

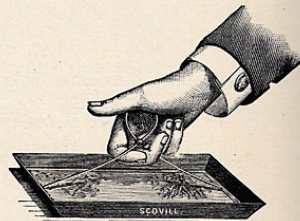


This Plate Lifter is very nearly like an ordinary open tin can with a pointed piece of metal soldered securely to the side as shown in the illustration.

Where a number of plates are developed in one dish, the Plate Lifter is not only a convenience, but quite a necessity.

Price.....each, 15

Russell's Negative Clasp and Drying Support.



By using the Russell Negative Clasp and Drying Support, there is no need of wetting or staining the fingers in the developer, or of touching a plate until after it has been developed, varnished and dried.

Adaptable for all sizes, from 3 1/4 x 4 1/4 to 8 x 10 inclusive.

Price.....each, 15

Accessories for the Developing Room.

Scovill Prepared Solutions, Powders, etc.



S. P. C. NEGATIVE VARNISH	per bottle,	\$0 35
FRENCH AZOTATE. (For Toning Prints)		25
KRISTALINE VARNISH		40
S. P. C. TONING SOLUTION	per package,	1 00
Produces the most brilliant tones, ranging from chocolate to black on ready-sensitized paper.		
S. P. C. ORTHOCHROMATIC SOLUTIONS.	By which any plate may be rendered color-sensitive.	price, per package, 1 50

Hauff's Amidol.

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

PRICE LIST.

In 1 ounce packages	\$0 75
• 2 " (Hauff's)	1 50
• 1/2 pound	2 75
• 1/2 "	5 25
• 1 "	10 00

AMIDOL CARTRIDGES.

In packages of 5 (Andersen's)	\$1 00
• 6 (Hauff's)	1 20
• 10 (Andersen's)	2 00

Flandreau Absorbent Cotton.

Absorbs any liquid without the use of Alcohol; the best filtering cotton ever made.

1 lb. package	\$0 75	4 oz. paper box	\$0 25
1/2 "	45	2 "	17

Gun Cotton.

	Per oz.
Vogel's Negative	\$0 50
Pary's	50
Hance's Silver Spray Negative	55
• Delicate Cream Negative	80

Collodion.

	Per bot.
Phenix Plate Ferrotyp	\$0 50
E. A. New Negative and Copying Collodion	65
Ground Glass Substitute	50
• " " pints	1 75
• " " quarts	3 25

Filtering Papers.

French Round, in packs of 100 sheets, No. 19, 7 1/2 in. diam.	\$0 30
• " " " " " 25, 10 "	38
• " " " " " 33, 13 "	62
• " " " " " 40, 16 "	82
• " " " " " 45, 18 "	1 00
• " " " " " 55, 19 1/2 "	1 20
Best Square White Filtering Paper	per quire, 40

Filtering Cotton.

Prepared expressly for photo. use. Per bundle.....\$0 50

S. P. C. ERIKQUINOLE DEVELOPER	price, per bottle,	\$0 35
S. P. C. ERIKQUINOLE DEVELOPER	price, per package,	75
S. P. C. PYRO AND SODA DEVELOPER		60
S. P. C. HYDROCHINON DEVELOPER.	Does not stain the fingers or leave the plate yellow; works equally well with all brands of plates, giving perfect detail, density and brilliancy in the negative. Full directions enclosed in each package	price, per package, 60
S. P. C. PYRO AND POTASH DEVELOPER		60
S. P. C. COLUMBIAN DEVELOPER. "The latest and best."	Price, per ounce bottle,	30



S. P. C. BROMIDE PAPER DEVELOPER for Bromide Paper, set,	\$0 75
S. P. C. RESTRAINER. In accurate dropping bottle	50
S. P. C. DEVELOPING POWDERS	per box of 12, 50



S. P. C. CLARIFYING SOLUTION	per bottle,	\$0 50
S. P. C. REDUCING SOLUTION	small	50
• " " " " large	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.		
Price, per bottle, with book of testing paper		50
S. P. C. RETOUCHING FLUID. (For varnished and unvarnished negatives)	price, per bottle,	\$0 25
MAGNESIUM FLASH COMPOUND	per oz.	50
HAFF'S INTENSIFIER. (For strengthening weak negatives)		
Price	per bottle,	75

Accessories for the Developing Room.

SOMETHING NEW!

THE

COLUMBIAN DEVELOPER



COMPLETE IN ONE SOLUTION.

The Very Latest and The Very Best.

The Columbian Developer is a powerful, new, one-solution developer especially suited for undertimed and instantaneously exposed plates. It yields negatives of the most beautiful half tones and middle tints, and of unsurpassed printing qualities.

FULL DIRECTIONS FOR WORKING ON EACH BOTTLE.

PRICE, for Eight-ounce Bottle, only 30 CENTS.

FOR SALE BY ALL DEALERS IN PHOTOGRAPHIC MATERIALS.

Accessories for the Developing Room.

Andresen's Amidol.

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 QUITE AS HIGH BY ITS ADMIRERS.

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

PRICE LIST.

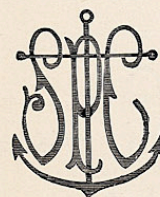
(THE SAME FOR BOTH.)

In 1 ounce Packages.....	\$0 75
" 2 " (Hauff's).....	1 50
" ¼ pound	2 75
" ½ "	5 25
" 1 "	10 00

AMIDOL CARTRIDGES:

In Packages of 5 (Andresen's).....	\$1 00
" 6 (Hauff's).....	1 70
" 10 (Andresen's).....	2 00

Price List of Leading Developers.



Anderson's.

Rodinal (3-ounce bottle).....\$0 60

The Columbian.

8-ounce bottle..... 30

Chemicals for Developing.

Schering's Pyrogallic Acid.

One lb. can.	½ lb. can.	¼ lb. can.	Oz. glass.	Oz. can.
\$4.67 each.	\$2.40 each.	\$1.25 each.	4 c. each.	35c. each.

Eikonogen.

\$3.95 each. \$2.10 each. \$1.20 each. 37c. each

Hydrochinon.

\$5.27 each. \$2.80 each. \$1.47 each. 35c. each.

Carbutt's.

Pyro and Soda (two 8-ounce bottles), per package.....	60
Hydrochinon " " "	60
Eiko Cum Hydro " " "	60

Pelletone (Pyro-acid Tablets).

One bottle, containing 100 tablets of 2 grains each\$0 40

Accessories for the Developing Room.

Scovill's Pure Chemicals and Accessories For Making Negatives.



We offer for use with any Outfit, to make pictures 4 x 5 inches, the following goods packed securely in a wooden case:

4 X 5 DEVELOPING OUTFIT.

1 pkg. S.P.C. Carbonate Soda Developer, 2 4 x 5 Glass Pans, 1 4 oz. Graduate, 1 Minim Graduate, 1 oz. Bromide Potassium, 1 lb. Hyposulphite Soda, 1 lb. Alum, 1 bottle S.P.C. Negative Varnish, 1 doz. 4 x 5 Dry-Plates, 1 Scovill Focusing Cloth, 1 Ruby Lantern, 1 Adt Manipulator.

Price, complete.....\$5 25

For use with any Outfit we supply the same goods, with the exception of the substitution of Pans and Plates for the size ordered.

5 x 7 Developing Outfit.....	\$6 35
5 x 8	6 50
6 1/2 x 8 1/2	7 00
8 x 10	8 50



S. P. C. Outfit for Printing, Toning, Fixing and Mounting 5 x 8 Pictures.

This Outfit is like the first one, but with Printing Frame, Glass Tray, Sensitized Paper, and Card-board adapted for 5 x 8 pictures.

Price, complete.....\$6 38

Securely packed in a paper box.

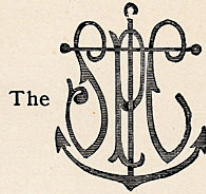
6 1/2 x 8 1/2 Printing and Toning Outfit.....	\$7 00
8 x 10	8 50

S. P. C. Outfit for Printing, Toning, Fixing and Mounting 4 x 5 Pictures.

1 4 x 5 Flat Printing Frame, 2 4 x 5 Glass Pans, 2 doz. S.P.C. Sensitized Paper, 1 2-oz. Graduate, 1 Poured Hyposulphite Soda, 1 bottle S.P.C. Toning Solution, 2 doz. Collins' Carbon Parlor Paste, 1 Bristle Brush, 1 4 x 5 Glass Form, 1 Trimmer.

Price, complete.....\$6 38

Securely packed in a box, which serves also for a frame.



The S.P.C. Acid Fixing and Toning Compound

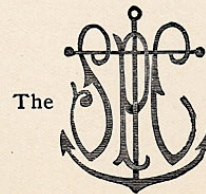
FOR NEGATIVES, TRANSPARENCIES, LANTERN SLIDES AND
PAPER.

Destroys all developing fog and yields peculiarly
soft and permanent results.

This solution can be used repeatedly so long as it
can also be used as a reducer of over-density by a long
treatment.

Price, in 1 lb. packages, only.....\$1 00

In 1/2 lb. packages, only.....\$5 00



The S.P.C. Woodbury Antip Hardener

AN IMPROVED CONCENTRATED HARDENER FOR GELATINE
AND PRINTS

Mix 1 ounce of this solution with 10 ounces of water and
the plate or print therein for from six to ten minutes. The
off and dry.

The plate or print thus treated will withstand a heat
ing 100° F. This solution may be used repeatedly.

Price per bottle.....\$1 00

Accessories for the Developing Room.

A GREAT ADVANCE.

JOHN WYETH & BROTHER'S

Compressed Tablets of Photographic Chemicals.

A compact and complete equipment of adjusted and accurately
weighed 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
the prints.

NECESSITY FOR SCALES. DRY AND PORTABLE. NO WASTE OR
DETERIORATION OF SOLUTIONS.

Marked strides have lately been made in the art of Photog-
raphy through increased interest in all that pertains to its de-
velopment, by the facilities now afforded to the experienced artist
and to the amateur, in the simplified devices, appliances, instru-
ments, cameras, etc., the extended experience in the use and
application of the various chemicals intended for developing and
fixing the plates and toning and fixing the prints, and the simplify-
ing of many of the former intricate and tedious processes.

One great drawback has been the difficulty and inconvenience
of carrying and storing the solutions for properly conducting the
required details. At the suggestion and with the active co-operation
of an experienced and thoroughly practical Photographer, we
have prepared, in the form of Compressed Tablets, a complete
series of all the necessary Photographic Chemicals used in the
art. These will be found perfect in their adaptation to all that is
required; they are compact, convenient and portable; the neces-
sary solutions can be prepared at a moment's notice, in sufficient
quantities, as the occasion demands. There is no waste, no bulky
paraphernalia to carry, no stock solutions are required, only
sufficient water being needed at the moment. Every tourist
having a camera, and those engaged in scientific work especially,
will fully appreciate the importance and value of such an outfit,
as their experience will testify to the fact that their time and labor
have often been lost by the undue exposure of their plates before
they could be properly developed.

The Tablets are stable, do not alter or change by age or
climatic influences; the only requirement being to re-cork the
bottles securely immediately after being used. We feel assured,
after the critical tests and practical demonstration which we have
given them, that we have not exaggerated their merits and use-
fulness to all who are interested in Photography.

With this equipment the photographer, professional or
amateur, can develop his work in the most simple and convenient
way, and the plates will be absolutely perfect in finish. It was
not until we had thoroughly experimented and tested the value
of these combinations that we ventured to place them upon the
market, but we are now thoroughly convinced, from exhaustive
tests, that there is no more convenient and efficient method of
producing a perfect plate or print. Of course, the care and various
details necessary when using the ordinary solutions, are also
required when employing our Compressed Chemicals. For those
not entirely familiar with the manipulations of dry plates or the
toning and fixing of prints, there is enclosed in each box a copy
of directions and hints referring to the processes and details
required.

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 Pyrogallic, 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 Outfit.....\$3 00

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

No. 1. DEVELOPING—PYRO.
(Composed of Sulphite of Soda, Acid Pyrogallic, 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:

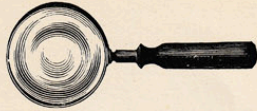
No. 1.....	\$0 75	No. 5.....	\$1 50
No. 2.....	30	No. 6.....	18
No. 3.....	40	No. 7.....	35
No. 4.....	35	No. 8.....	25

Accessories for the Retoucher.



Retouching Glasses.

German Silver Band. Ebony Handle.



	Each.
2 inch Lens.....	\$0 85
2½.....	1 25
3.....	1 75
3½.....	2 25
4.....	3 25
4½.....	3 75

Retouching Pencils.

A. W. Faber's Pencils.

With Siberian Lead from the Alibert Mine. For Retouching, etc.

We give the following scale for convenience in ordering:

- BBBBBB—Extra soft and extra black.
- BBBB—Very soft and extra black.
- BBB—Very soft and very black.
- BB—Soft and very black, No. 1.
- B—Soft and black.
- HB—Hard and Black, No. 2.
- F—Middling, No. 3.
- H—Hard.
- HH—Harder, No. 4.
- HHH—Very hard.
- HHHH—Very hard.
- HHHHHH—Extra hard.

The above scale applies to both the pencils in wood and LEADS only, so be sure to state which is wanted.

The four degrees of pencils bearing the numbers 1, 2, 3 and 4 form a collection especially suited for ordinary use; these are the finest grade of pencils made.

	Each.	Per doz.
2B to 6H.....	\$0 10	\$1 00
3B to 6B.....	13	1 25

METAL POINTS.

The Crowell... each, \$0 25; per doz., \$2 50
 Faber's Holder for Leads, including one Lead each, 25

Calcined Flour for Retouching Negatives.



Calcined Flour..... Per Package..... 25

Hanover Retouchers.

Better than India ink for spotting and retouching prints, either before or after burnishing.

They dry with a gloss.

There are three dark tints matching the different shades of backgrounds.

The three white retouchers are very popular.

Hanover Retouchers are used in the leading galleries in New York, and have the highest commendation from the artists.

Price, 50 cents per cake.



Gihon's Opaque

Is designed for completely obscuring the imperfect backgrounds of copies, retouching faulty skies in landscape negatives, coating the inside of lenses or cameras, backing solar negatives, covering vignetting boards, etc., etc. Wherever you want to keep out light, use Opaque. It is applied with a brush, dries quickly, and sticks.

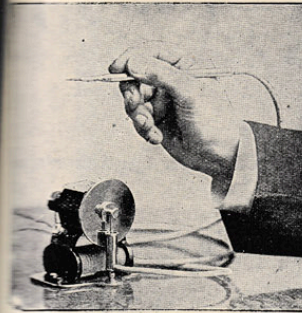
Price, per box..... \$ 25

India Ink.



Lion Head India Ink, per stick..... \$ 25

Accessories for Printing, Toning and Fixing.



Peck's Pneumatic Retoucher.

(PATENT GRANTED.)

AS A DEVICE FOR ASSISTING THE RETOUCHER, HAS NO EQUAL.

IT IS A NECESSITY IN EVERY GALLERY IN THE LAND.

It will treble your out-put.

It will treble your income.

It will improve your work.

YOU WANT IT AND YOU NEED IT.

WRITE FOR PARTICULARS.

Price, without a Battery.....	\$20 00
With two Cells of Primary Battery.....	25 00
With a Storage Battery.....	30 00

F. Weber & Co.'s

Photographers' Liquid Opaque,

50 CENTS PER BOTTLE.

Is the best medium for blocking out back-grounds or skies, and to cover large and small imperfections in the negative



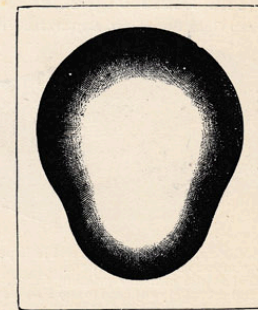
F. Weber & Co.'s

Liquid India Ink,

50 Cents per Bottle.

For making or numbering negatives, for drawing on matt surface print, and for all purposes where India ink is used.

Waymouth's Vignette Papers.



Nineteen sizes are now made, suiting all dimensions of pictures, from a small carte figure to Victorias, cabinets, whole size, etc. They are printed in black for ordinary negatives, yellow bronze for thin negatives, and red bronze for still weaker ones.

In envelopes, containing one each, Nos. 1 to 15.....	\$1 00
Nos. 1, 2, 3, 4 and 5, for cartes, per doz.	50
Nos. 6, 7, 11, 12 and 13, for large cartes and Victorias, per doz.	75
Nos. 8, 9, 10, 14, 15 and 15½, for cabinets and 4-4 size, ..	1 00
Nos. 16, 17 and 18, for cabinet and half-size, per doz.	1 25

Accessories for Printing, Toning and Fixing.

Cut-Outs or Medallion Masks.

For Printing Photographs.



For Carte de Visite, 3 sizes, per doz. \$0 15
 Victoria, 1 size, " 20
 Cabinet, 2 sizes, " 25
 4-4 Ovals, set of one dozen 30
 One package, containing six of each of above seven sizes. 75
 Gihon's Cut-Outs, 30 assorted sizes (sold only in sets) 1 00

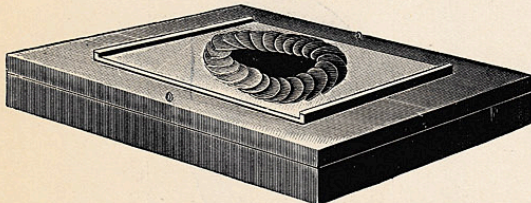
Aniline Blue.

Dissolve one-half ounce aniline blue, letter R, in sixteen ounces water. When your fixing bath is made up, add from thirty to forty drops of the blue to every forty ounces of fixing bath. Fix your prints from twelve to fifteen minutes, and remove to a strong solution of salt and water. Let them remain five minutes, and then gradually dilute with fresh water, so that the change of temperature will not be too sudden, and you will never be troubled with blisters, and will always have pure whites.

Full directions for using accompany each box; also splendid formula for printing bath, toning, fixing, etc.
 Price, per package. \$0 35

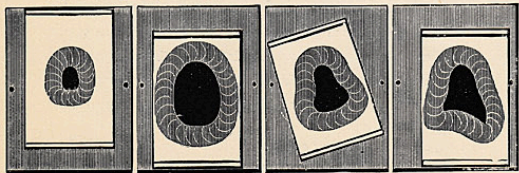
The Dixie Vignetter.

THE FIRST AND ONLY SUCCESSFUL ADJUSTABLE VIGNETTER.



Practicable, Cheap, Simple, Durable and Indispensable to all Photographers who keep up with the times.

It is attached to the ordinary printing frame, and can be quickly, easily and accurately adjusted to any Negative—the Pear, Oval, Round, Square or any desired opening can be produced of any size required, and right where it is wanted.



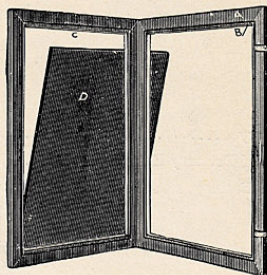
The above shows a few of its many possible adjustments. The Dixie Vignetter is all complete. No separate parts to cost extra and get mislaid or broken, and it is always ready for use. It costs but a trifle and will pay many a dollar in time saved, besides producing superior results.

PRICE LIST OF THE DIXIE VIGNETTER.

Size.	Each.	Per doz.	Size.	Each.	Per doz.
3 1/4 x 4 1/4	\$0 30	\$3 50	5 x 8	\$0 30	\$3 50
4 x 5	30	3 50	6 1/2 x 8 1/2	45	5 25
4 1/4 x 6 1/4	30	3 50	8 x 10	60	7 00
4 1/2 x 6 1/2	30	3 50	10 x 12	75	9 00
5 x 7	30	3 50			

Sample by mail post paid, 10 cents additional.

Kuhn's Sensitized Paper Stretcher and Dryer.



Paper dried with it lies perfectly flat and therefore better prints can be obtained. You can also cut your paper lengthwise or crosswise of the sheet, as it neither stretches nor shrinks afterward. It is also very desirable for handling bromide paper.

Whole or half-sheet size, each, \$1 50
 20 x 24 size 1 75

Japanese Art Tissues.



Japanese Art Tissues.
 \$2.00 PER 1000.
 JAPAN. ENGLAND. PHILADELPHIA.

The finest quality of Mikado Silk Paper for covering fronts of photographs, and preserving the burnish or gloss. Eight charming designs printed in blue ink.

Price per 1,000 \$2 00
 Assorted designs.

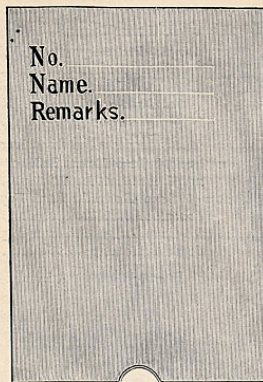
Hard Rubber Plates.

For Squeegeeing Prints upon.

Size.	Each.	Size.	Each.
4 x 5, 1/8 in. thick	\$0 10	8 x 10, 1/8 in. thick	\$0 40
5 x 7, " "	18	10 x 12, " "	60
5 x 8, " "	20	11 x 14, " "	75
6 1/2 x 8 1/2, " "	30		

Accessories for Printing, Toning, and Fixing.

Negative Preservers.



It offers security against breakage, dust, mistakes, etc. It consists of a stout manilla paper envelope, one end open and cut to admit the thumb and forefinger in removing the negative, and having on the front three printed lines for the number, name and remarks.

For	Per 100.	Per 1000.
For 3 1/4 x 4 1/4 negatives	\$0 20	\$2 40
4 1/4 x 5 1/2 "	25	2 50
4 1/4 x 6 1/2 "	25	2 75
5 x 8 "	30	3 25
5 x 7 "	28	3 00
6 1/2 x 8 1/2 "	40	4 20
8 x 10 "	55	5 00
10 x 12 "	1 50	
11 x 14 "	1 75	
14 x 17 "	3 00	

W. & C. Perfect Preserving Tubes, for Sensitized Photographic Papers.

(PATENT APPLIED FOR.)

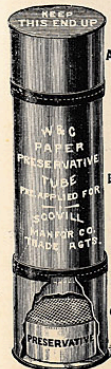
Compact, Reliable, Air-tight.

- No. 1.—Holds 4 x 5 to 4 1/4 x 6 (Preservative extra)..... \$0 90
- A No. 2.—Holds 5 x 7 to 5 x 8 (Preservative extra)..... 1 10
- No. 3.—Holds 6 1/2 x 8 1/2 to 8 x 10 (Preservative extra)..... 1 50
- No. 4.—Holds 18 x 22 (Preservative extra) 2 00
- No. 5.—Holds 18 x 22 Gallery use (Preservative extra)..... 3 00

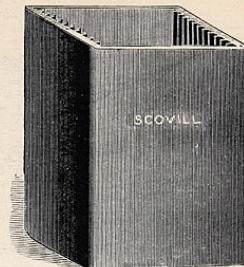
B The W. & C. Perfect Paper Preservative Will keep Sensitized Paper fresh and brilliant for months.

Eight years in constant use in Europe. Paper can be silvered on dull, cloudy days, and used whenever needed. Proof paper always fresh and ready for use.

C PRICE OF PERFECT PRESERVATIVE. Each. Tin Box, size for Nos. 1, 2, and 3 Tubes, \$0 20
 4 and 5 35



Hard Rubber Fixing Bath.

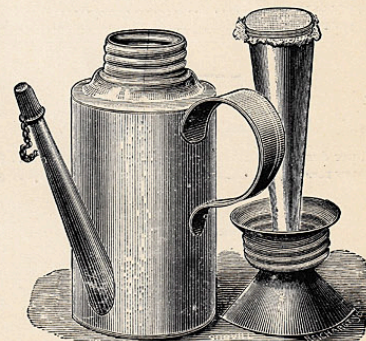


Its advantages are: *First*, that it is made of hard rubber, the material which best withstands the action of photographic chemicals and general wear and tear. *Second*, that it is smooth and can easily be kept clean. *Third*, that it holds one dozen plates. *Fourth*, that it has a ridge at the bottom which keeps the plate above any sediment which may collect there. *Fifth*, that the edges of the film will not be scratched in the groove. *Sixth*, that it takes up little space. *Seventh*, that it is far less liable to break than dishes. *Eighth*, that it is cheap.

PRICES.

For 3 1/4 x 4 1/4 plates	\$1 75
4 x 5 "	2 00
5 x 7 "	2 25
5 x 8 "	2 50
6 1/2 x 8 1/2 "	3 00
8 x 10 1/2 "	3 50

Perfect Varnish Can and Filter.



The funnel which acts as a filter, running nearly to the bottom of can, is constantly in the varnish, and does not get dry. The funnel and filter screws into can when in use.

Price..... 50 cents.

Varnishes.

S. P. C. Negative	\$0 35
Keystone	50
Phenix Ferrotyp	per bottle, 50
Mounfort's Negative	" " 40
Diamond Ferrotyp	" " 40
	1 pt. 1 00
Crystal	per 30
Retouching	per 50
Grit	per 40

Accessories for Mounting, Burnishing, and Mailing.

Parlor Paste.



½ pint jar.....	\$0 25	1 quart bottle.....	\$0 55
1 "	45	1 gallon.....	2 00
1 quart.....	65	1½ "	1 25
1 pint bottle.....	35	1 "	2 00

This Paste is the only really good paste sold ready prepared for mounting photographs. It will not sour, discolor, mould or separate; and is always ready for use.

"Non-Cockle."



"Non-Cockle" is a preparation for mounting photographs, ferns or delicate fabrics, and is the best mountant ever invented. Photographs mounted with "Non-Cockle" will not warp or cockle the mount.

Prints when mounted with it retain the glacé finish so much desired.
 "Non-Cockle" will keep in any climate. It never sours, and will not stain the most delicate fabric.
 It is put up in 6 oz. wide-mouth bottles, with metal screw-top.
 Price, per bottle..... 40 cents.

Glue.

Hercules Glue is the greatest sticker of the age. Always ready for use. Put up in jars. A good brush with each jar.

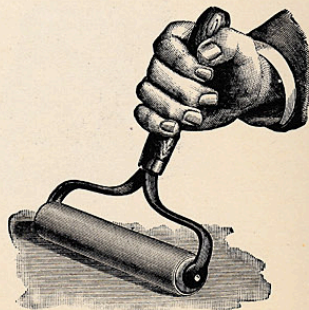
Price.....	\$0 25
Per dozen.....	2 00

Waterbury Card Board.

This is the best board in the market for photographic purposes, as it is entirely free from the hypo used in the bleaching process of other brands

Size.	PRICES PER ONE HUNDRED.			
	Extra No. 1.	No. 1.	No. 2.	No. 3.
25 X 30.....	\$10 00	.....	.....	.....
22 X 28.....	7 50	\$5 25	.....	.....
20 X 24.....	6 00	4 25	.....	.....
18 X 22.....	5 25	3 75	.....	.....
17 X 21.....	.....	.....	.....	.....
16 X 20.....	4 50	3 00	.....	.....
15 X 18.....	.....	.....	.....	.....
14 X 18.....	3 25	2 25	.....	.....
14 X 17.....	.....	.....	.....	.....
13 X 16.....	3 25	2 25	.....	.....
12 X 14.....	.....	.....	.....	.....
11 X 14.....	1 88	1 31	1 20	.....
10 X 12.....	1 50	1 05	90	.....
9 X 11.....	1 25	88	.....	.....
8 X 10.....	1 00	70	.....	.....
6 X 8.....	75	55	.....	.....
7 X 9.....	85	60	.....	.....

Scovill Print Roller and Squeegee.



Superior to anything in the Market.

The Scovill Print Roller and Squeegee is especially designed to be used in the place of the ordinary Squeegee in working film and paper negatives, bromide prints for removing surplus water from albumen prints before mounting, etc.

It is neatly constructed with black walnut handle, brass trimmings and a heavily covered rubber roller.

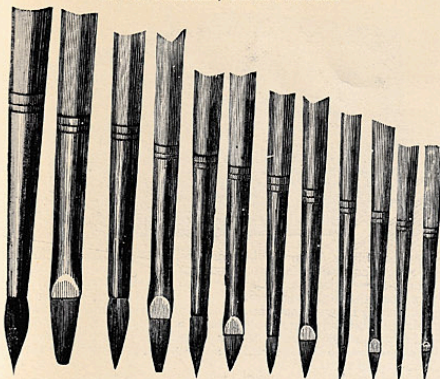
It will be found a very handy tool alike to the professional and amateur photographer.

Price, 8 inch.....	each, \$1 00
" 12 ".....	" 1 50
Columbia Print Moulder.....	" 1 00

Accessories for Mounting, Burnishing, and Mailing.

Red Sable Brushes.

IN TIN FERRULES, CEDAR HANDLES.



For fine painting in oil colors, or for coloring ferrotypes.

Nos.	Per Gross.	Per Doz.	Each.	Nos.	Per Gross.	Per Doz.	Each.
1....	\$8 00	\$0 80	\$0 07	7....	\$21 25	\$2 12½	\$0 18
2....	8 30	83	08	8....	23 15	2 35	20
3....	9 90	1 00	09	9....	24 80	2 50	22
4....	11 40	1 15	10	10....	28 20	2 85	24
5....	12 90	1 30	12	11....	34 75	3 50	30
6....	14 40	1 50	15	12....	42 90	4 35	38

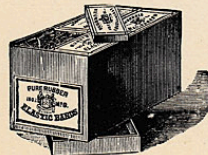
Bristle Brushes.

Size.	Per Doz.	Each.	Size.	Per Doz.	Each.
1 inch.....	\$1 20	\$0 12	2½ inch.....	\$3 00	\$0 30
1½ ".....	1 80	20	3 ".....	3 60	40
2 ".....	2 40	25			

Camel's Hair Brushes.

Size.	Per Doz.	Each.	Size.	Per Doz.	Each.
1 inch.....	\$2 25	\$0 20	2½ inch.....	\$5 62	\$0 50
1½ ".....	2 35	30	3 ".....	6 75	60
2 ".....	4 50	40	3½ ".....	12 00	1 12

Rubber Bands.

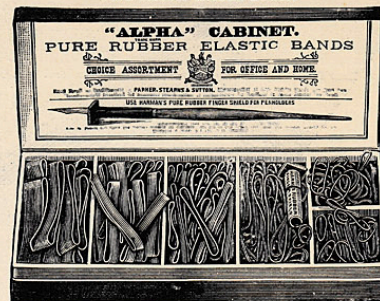


Eighteen gross 1½ inch bands in a ¼ lb. box. Put up nicely in ¼ lb. boxes. Use them instead of twine. 2,592 bands (count 'em) in a ¼ lb. box.

Per ¼ lb. box.....	\$1 00
Per 1 oz. box.....	30

The "Alpha" Cabinet.

Pure Rubber Elastic Bands.

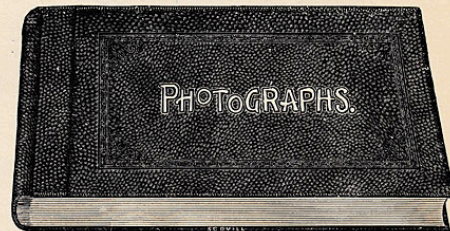


Choice Assortment for amateur photographers, of pure rubber bands—over 500, in eleven sizes, from one to three inches long and from one-sixteenth to one-half inch in width. It also contains an "Ink Shield" for the pen, which not only saves your fingers, but your desk, books and paper.
 Price complete, each..... \$1 25

Howard Albums.

With Interchangeable Leaves.

The Howard Album, with interchangeable cards, is the latest novelty in the way of an album for mounting photographs. In handsomely embossed covers are bound 25 of Collins' cards, which are chemically pure from all matter that would injure the photographs. In the mode of binding, and their interchangeable feature, lies the difference between this and other albums.



To each card are attached two small metallic binding loops, so fastened that they act like hinges; through the projection of these loops a binding cord passes, which fastens at the back with a tie; thus each card is bound in the cover independently, and may be taken out and returned or replaced with ease. This method of making an album affords the amateur the best means of preserving the results of his labor, because each picture may be finished before putting the card in the album. The arrangement of the pictures may also be altered at will—if a single card is spoiled, the whole album is not ruined. If a picture is taken out, it can be quickly and readily done without injury to the volume.



Accessories for Mounting, Burnishing, and Mailing.

Howard Albums.—Continued.

FULL CLOTH, EMBOSSED, GOLD LABEL, WITH A. M. COLLINS MFG. CO.'S NO. 1 CARDS.

With 25 Collins Cards.

No. 1.	6 x 7 Cards, for 4 x 5 photographs	..... \$1 25
" 2.	7 x 10 " " 5 x 8 " "	..... 1 50
" 3.	8 x 10 " " 6 1/2 x 8 1/2 " "	..... 2 00
" 4.	10 x 12 " " 8 x 10 " "	..... 2 25
" 5.	11 x 14 " " 8 x 10 " "	..... 2 50

MOROCCO, HALF LEATHER, EXTRA GOLD FINISH, WITH A. M. COLLINS MFG. CO.'S CARDS, BOXED.

With 25 Collins Cards.

No. 6.	7 x 10 Cards, for 5 x 8 photographs	..... \$2 00
" 7.	8 x 10 " " 6 1/2 x 8 1/2 " "	..... 2 00
" 8.	10 x 12 " " 8 x 10 " "	..... 3 00
" 9.	11 x 14 " " 10 x 12 of 11 x 14 " "	..... 3 50
" 10.	16 x 20 " " 11 x 14 of 14 x 17 " "	..... 5 50

With 50 Collins Cards.

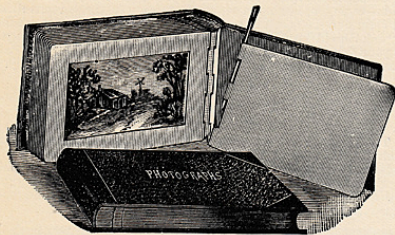
No. 11.	7 x 10 Cards, for 5 x 8 photographs	..... \$3 50
" 12.	8 x 10 " " 6 1/2 x 8 1/2 " "	..... 4 00
" 13.	10 x 12 " " 8 x 10 " "	..... 4 75
" 14.	11 x 14 " " 10 x 12 of 11 x 14 " "	..... 5 50
" 15.	16 x 20 " " 11 x 14 of 14 x 17 " "	..... 9 00

EXTRA CARDS, COLLINS' BEST, FOR HOWARD ALBUMS, MOUNTED WITH LOOPS, READY FOR USE.

6 x 7, Package of one dozen	..... \$0 38
7 x 10, " "	..... 50
8 x 10, " "	..... 60
10 x 12, " "	..... 75
11 x 14, " "	..... 88
14 x 17, " "	..... 1 25
16 x 20, " "	..... 1 55

Eclipse None Such Album.

FOR SQUARED OR UNMOUNTED PRINTS.



INTERCHANGEABLE LEAVES. SPRING BACK.

Is the most perfect Album manufactured. The interchangeable feature is superior to all others. It contains twenty-four leaves. Each leaf is *distinctly independent*, and may be taken out and returned or replaced with the utmost ease without having to disturb any other leaf or part of the Album. The arrangement of the picture may be altered when desired, and if a single leaf is spoiled the whole album is not ruined.

DIRECTIONS FOR REMOVING THE LEAVES AND MOUNTING PHOTOGRAPHS.

Read carefully the following:
The leaves of the Eclipse Album are fastened by means of a small rod or "pintle," as will be seen by the above cut. At the back of the Album, in the inside, is a slot or cut expressly made, by means of which you can readily grip and remove the pintle. The pintle thus removed will give you an instrument with which you can remove the others. A pin or hairpin also answers admirably. Place the flat or upper end against the flat end in the leaf and press it out, thereby removing both the leaf and the pintle.

FINISHED IN MOROCCO, HALF LEATHER BOUND.
Round-cornered leaves and enclosed in a neat box.

No. 1.	6 x 7 size, 24 leaves for 4 x 5 prints, 2 on each leaf	..... \$2 25
" 2.	7 x 10 " " " " " " " " " " " "	..... 2 75
" 3.	10 x 12 " " " " " " " " " " " "	..... 4 00
" 4.	11 x 14 " " " " " " " " " " " "	..... 4 50
" 5.	11 x 14 " " " " " " " " " " " "	..... 4 50

FULL LEATHER BOUND.

These books are full leather bound, seal grain padded, covers and leaves round cornered. They are made for the fine trade.

No. 6.	6 x 7 size, 24 leaves for 4 x 5 prints, 2 on each leaf	..... \$3 00
" 7.	7 x 10 " " " " " " " " " " " "	..... 3 50
" 8.	10 x 12 " " " " " " " " " " " "	..... 5 75
" 9.	11 x 14 " " " " " " " " " " " "	..... 5 50
" 10.	11 x 14 " " " " " " " " " " " "	..... 6 50

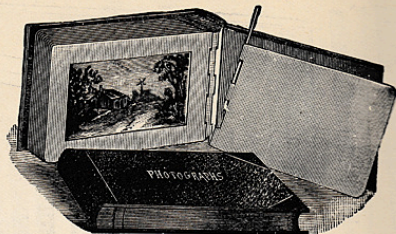
Round Cornered Leaves

FOR ECLIPSE NONE SUCH ALBUM.

No. 1.	6 x 7 size, white or gray	..... doz. \$0 50
" 2.	7 x 10 " " " "	..... 75
" 3.	10 x 12 " " " "	..... 1 25
" 4.	11 x 14 " " " "	..... 1 50
" 5.	11 x 14 " " " "	..... 1 50

The Eclipse Albums.

Interchangeable Leaves. Spring Back.



The Eclipse Album is the most perfect album manufactured. The interchangeable feature is superior to all others. It contains twenty-four Collins' Best Cards, which are chemically pure and free from all matter that would injure a photograph. Each leaf is distinctly independent, and may be taken out and returned or replaced with the utmost ease without having to disturb any other leaf or part of the album. The arrangement of the picture may be altered when desired, and if a single leaf is spoiled the whole album is not ruined.

DIRECTIONS FOR REMOVING THE LEAVES AND MOUNTING PHOTOGRAPHS.

Read carefully the following:
The leaves of the Eclipse Album are fastened by means of a small rod or "pintle," as will be seen by the above cut. At the back of the album, in the inside, is a slot or cut expressly made, by means of which you can readily grip and remove the pintle. The pintle thus removed will give you an instrument with which you can remove the others. A pin or hairpin also answers admirably. Place the flat or upper end against the flat end in the leaf and press it out, thereby removing both the leaf and the pintle.

Each picture may then be finished and mounted on the card and burnished before putting the card in the Album.
Photographs should under no circumstances be mounted with the ordinary photographer's paste or the many scented "paste preparations" sold by dealers generally.

We confidently recommend "Non-Cockle" as being the best preparation manufactured for mounting purposes.
In mounting the pictures it is very important to have them dry thoroughly between blotting paper, under pressure.
The Eclipse Album, as a sample book, especially for mounting samples of fine stationery, satins, delicate laces, etc., is pronounced by the best judges as having no equal.

Improved Spring Back with Twenty-four Collins' Cards.

No. 1	..... 6 x 7	..... \$2 25
" 2	..... 7 x 10	..... 2 50
" 2 1/2	..... 10 x 7 1/2—upright	..... 3 50
" 3	..... 10 x 12	..... 3 75
" 3 1/2	..... 12 x 10—upright	..... 4 25
" 4	..... 11 x 14	..... 4 25
" 4 1/2	..... 14 x 11 1/2—upright	..... 6 25
" 5	..... 14 x 17	..... 7 00

The Eclipse Albums are handsomely finished in Morocco, half leather bound, with gilt title, and enclosed in a neat box.
Nos. 2 1/2, 3 1/2, 4 1/2 and 5 have round corners; Nos. 4 1/2 and 5 are extra gold finish.

FULL LEATHER BOUND.

These books are full leather bound, seal grain, padded covers, and round corners. They are expressly made for the finest class of trade. Prices as follows:

No. 21	..... 6 x 7	..... \$3 00	No. 23 1/2	..... 12 x 10	..... \$6 00
" 22	..... 7 x 10	..... 3 50	" 24	..... 11 x 14	..... 6 00
" 22 1/2	..... 10 x 7 1/2	..... 4 50	" 24 1/2	..... 14 x 11 1/2	..... 8 00
" 23	..... 10 x 12	..... 5 50	" 25	..... 14 x 17	..... 9 00

EXTRA LEAVES.

White and Gray. Best Quality. 1 Dozen in a Box.

No. 1	..... 6 x 7	..... \$0 50	No. 3 1/2	..... 10 x 12	..... \$0 80
" 2	..... 7 x 10	..... 65	" 4	..... 11 x 14	..... 1 10
" 2 1/2	..... 10 x 12	..... 80	" 4 1/2	..... 14 x 17	..... 1 75

Accessories for Mounting, Burnishing, and Mailing.

The Waterbury Album

Is the latest thing on the market in the way of an Interchangeable Leaf Album.

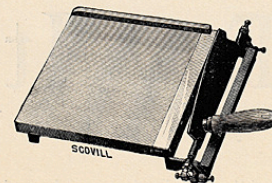
EMBOSSSED BLACK CLOTH COVERS,

WHITE LEAVES.

NOTE THE LIST PRICE.

7 x 10, \$1.10	10 x 12, \$1.60	11 x 14, \$2.00
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The Scovill Revolving Trimmer.



Has the many advantages, which its name implies, as follows:

It cuts the paper for the print without removing it from the board or sliding it thereon.

The knife is always in position and sharp, being self-sharpened by the motion which the revolution gives.

It is very light and attractive-looking and is perfectly suited to the uses of both professional and amateur photographers.

PRICE (SIZE OF KNIFE TEN INCHES,) ONLY \$4.00.

Accessories for Mounting, Burnishing, and Mailing.

ARE YOU USING

The "World"
Special Photo
Finish . . .

Blotting Paper?

IT IS CHEMICALLY PURE
AND WILL NOT LINT. . . .

ASK YOUR DEALER FOR IT.

Try It!

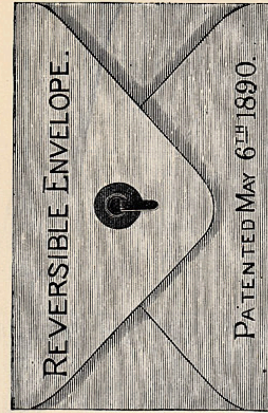
Every sheet of the genuine bears embossed water mark
of "World" Blotting.

Price per Ream, - \$20.00
" " Dozen, - - .60

Accessories for Mounting, Burnishing, and Mailing.

The Acme Reversible Cabinet Mailing Envelope.

For Mailing at Reduced Rates of Postage.



PATENTED MAY 6TH, 1890.

Cabinet size, 5 x 7½, made from the finest grade of Highly-Calendered 80-lb. Manilla Paper.

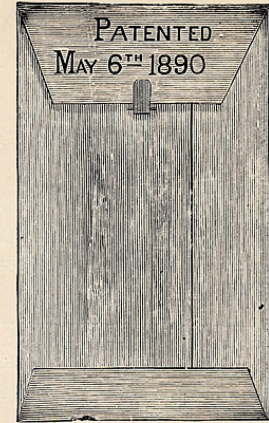
We claim it is unquestionably the best paper, the most secure of all fastenings—the clasp is made from Tempered Sheet-Brass and will not give way.

A trial will convince you that it is the best Envelope made for Photographers' use.

Price per 1,000.....\$10 00

The Acme Cabinet Mailing Envelope.

For Mailing at Reduced Rates of Postage.



PATENTED MAY 6TH, 1890.

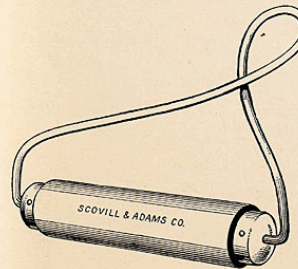
Cabinet size, 5 x 7½, made from the finest grade of Highly-Calendered 50-lb. Manilla Paper.

We claim it is unquestionably the best paper, the most secure of all fastenings—the clasp is made from Tempered Sheet-Brass and will not give way.

A trial will convince you that it is the best Envelope made for Photographers' use.

Price, per 1,000.....\$9 00

The Simplex Print Roller.



The latest ingenious device in print rollers is the "Simplex," recently introduced by The Scovill & Adams Co. of N. Y., of which the accompanying illustration gives a very good idea.

Its name is particularly appropriate, as the print roller is simplicity itself. We recommend our readers to adopt it. One of the objections to the print rollers which have heretofore been on the market is their unwieldy bulk as well as their greater cost. The "Simplex" is cheap as well as effective.

PRICE, 50 CENTS.



Flash Light Materials.

Lightning Storage Flash Lamp.

This magnesium flash lamp differs from all others in that it produces a broad vertical sheet illuminant flame, in size about 6 x 6 inches.

The powder being projected upward into the combustion flame, in a thin, broad sheet, it is most thoroughly consumed, thereby producing an intense light, and also greatly lessening the smoke nuisance; and besides the sheet flame is a much more effective illuminant than is produced by any other flash lamp, with the same quality of pure magnesium.

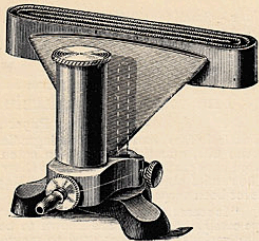
The powder is stored (see cut) in the cylindrical chamber which is filled from top by removing cap, and by means of an air blast from the lungs, air bulb, or other source—several lamps may be connected with a reservoir of compressed air—the column of powder is undermined and driven through the fan shaped projector into the—wood, or pure alcohol—combustion flame.

Repeated short flashes or a continuous one (until storage chamber is emptied, may be made, the force and duration of air blast regulating the flash. The powder feeds entirely automatically, and if finely powdered and dry, will never fail to feed properly.

A sheet tin, cardboard, or other suitable reflector, is attachable to base of lamp, by clamping nut on tube nozzle. Dotted line on cut show where provision is made for sliding lamp on a one-quarter inch stand-rod and securing it in place by binding screw. An extinguishing cap is provided, also five feet of three-sixteenths rubber tube.

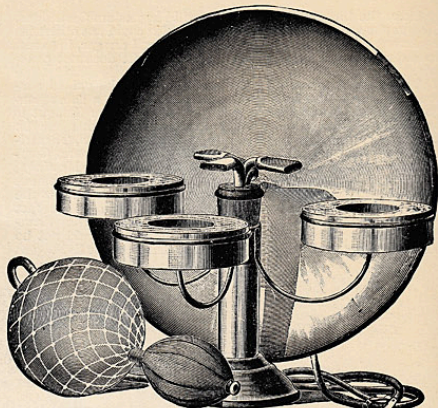
The lamp is thoroughly well made of brass and is nickel-plated.

Price..... \$5 00



The Standard Triple Flash Lamp.

(PATENTED.)

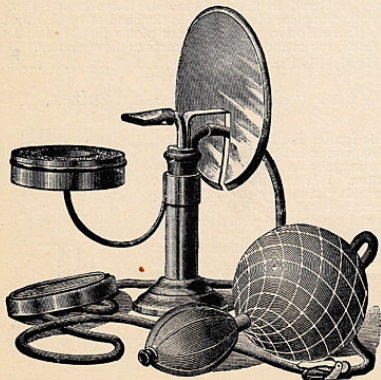


This lamp gives a continuous or intermittent light of intense power and brilliancy, and is for lighting theatres or large halls.

Price..... \$7 50

The Standard Flash Lamp.

(PATENTED.)



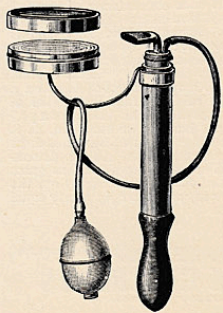
This lamp gives a continuous or intermittent flash, and having an Argand flame box insures the complete consumption of powder with minimum smoke. It is for amateur or professional use.

Two or more of these lamps can be flashed instantaneously from different points.

Price..... \$4 50

The Little Giant Repeating Flash Lamp.

(PATENTED SEPTEMBER 2, 1890.)



Safe, Convenient and Powerful.

Embodying the same principle as the Standard Lamp, and producing a number of in tensely brilliant flashes from one charge.

Price, boxed..... \$2 50

The Vulcan Vest-Pocket Magnesium Flash-Light.

A Wonderfully Brilliant Light.

The Little Vulcan will illuminate a radius of 40 feet. It can be flashed with perfect safety, or if preferred set in a slot on bottom of the small carrying box.

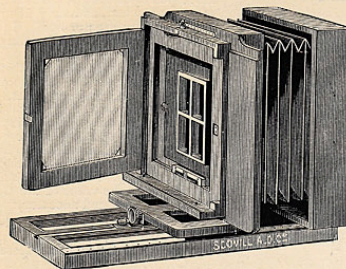
It can be used with the bulb, or without a bulb, by blowing through the tube. The igniting flame is supplied by two Vulcan or Wind Matches. The box contains, besides the lamp and bulb, a bottle of magnesium powder and a box of matches.

Price..... \$1 50

Cameras, and Outfits for Ferrotypers.

Acme 5 x 7 Standard Victoria Cameras.

(THE FERROTYPERS' CAMERA.)



No. 515.—Without Lenses..... \$18 00
516.—With four 1/4 Lenses on a brass plate..... 33 00

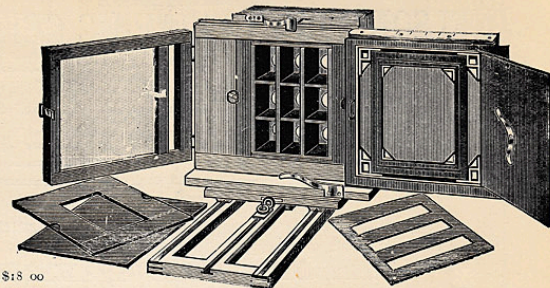
The newest pattern of the standard quality of Victoria Cameras, which produces 9 and 18 pictures on a 5 x 7 plate, is called the

Ferrotypes Plates.

Champion, Box of 200 10 x 14 Egg-shell, Black or Chocolate... \$20 00
Glossy..... 22 00
Union, Box of 200 10 x 14 Egg-shell, Black or Chocolate... 15 00
Per doz..... 90
Centennial, Box of 200 10 x 14 Egg-shell, Black only..... 10 00
Per doz..... 60
Peerless, Box of 200 10 x 14 Egg-shell, Black only..... 7 50
Per doz..... 50
Rival, Box of 200 10 x 14 Egg-shell, Black only..... 7 00

Acme Multiplying Victoria Cameras.

(THE FERROTYPERS' CAMERA.)



No. 517.—The Acme Multiplying Victoria Camera will make nine or eighteen Gems on 5 x 7 plate, using 9 1-9 Gem Lenses. It has Sliding Holder, and admits of cabinet work on 5 x 7 plate and two pictures on that size or smaller when gem fixtures are removed and single.

Price, without Lenses..... \$25 00

When ordering one of the above Cameras, please state whether rabbeted or solid glass corner Holder is desired.

Scovill Ferrotypes Outfit.

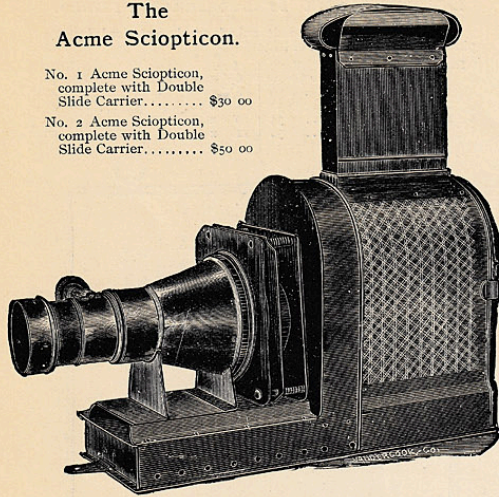
Complete for Work in a Small Gallery.

1 5 x 7 New Haven Standard Victoria Camera, making 1 on Plate 2 x 2 1/2 inches; 1 on Plate 3 1/4 x 4 1/4 inches; 1 on Plate 2 1/2 x 3 1/4 inches; 1 on Plate 5 x 7 inches; 4 on Plate 5 x 7 inches; 8 on plate 5 x 7 inches.....	\$18 00
4 1/4 Gem Lenses.....	16 00
1 1/2 Portrait Lens.....	17 50
1 1/2 Excelsior Camera Stand.....	3 75
1 Tall S. P. C. Head Rest.....	3 25
1 Back Support for Head Rest.....	75
1 4 x 6 (Background).....	4 75
1 7 x 10 Glass Bath in Box.....	3 25
1 No. 5 I. R. Dipper.....	45
1 7 x 9 Deep Agate Tray.....	1 25
1 4-Ounce Graduate.....	33
1 8 ".....	45
1 1-Quart Glass Funnel.....	20
2 1-Pint ".....	30
1 Pair 9-inch Shears.....	1 00
1 Box Anderson's Dry Colors, fitted with Colors, Brushes, and Gold Sauter.....	1 75
1 2 inch C. H. Duster.....	50
1 Copy " Ferro. Guide ".....	75
2 Dozen 10 x 14 Ferro. Plates.....	1 80
100 No. 11 Ferro. Envelopes.....	20
100 No. 15 Ferro. Envelopes.....	\$0 40
100 No. 4 ".....	20
1 No. 1 Queen Oil Stove.....	1 80
1 Drying Rack.....	50
1 Varnish Pot.....	50
1 oz. C. P. Nitric Acid.....	20
1/2 lb. Nitrate Silver (1 bottle).....	6 00
2 8-oz. Bottles Phenix Collodion.....	at 50c., 1 00
2 8-oz. " " Varnish.....	at 50c., 1 00
1 oz. Resub. Dry Iodine.....	35
1 lb. P. S. Iron (1 can).....	15
1/2 lb. Cyanide of Potassium.....	45
1/2 Pint Parlor Paste.....	25
1 1-inch Bristle Brush.....	12
1 Dozen Gum Paper.....	25
1/4 lb. Absorbent Cotton.....	30
2 lbs. No. 8 Acetic Acid.....	at 20c. lb., 40
1 4-oz. Collodion Vial.....	20
1 Package No. 25 Round Filters.....	35
1 Book Litmus Paper.....	5
1 Set 6-inch Scales and Weights.....	85
1 Sliding Arm Chair, Terra Covering, 6-inch Fringe.....	8 00
1 Pint Alcohol.....	50
Price, complete.....	\$100.

Sundries.

The Acme Sциopticon.

- No. 1 Acme Sциopticon, complete with Double Slide Carrier..... \$30 00
- No. 2 Acme Sциopticon, complete with Double Slide Carrier..... \$50 00



After experimenting with most of the lanterns in the market, we have come to the conclusion that for parlor or small hall exhibitions, chemical and optical experiments, etc., the Acme Lantern affords, at a moderate price, the greatest number of advantages, and from its simplicity and non-liability to get out of order, gives, even in inexperienced hands, results superior to all others.

The No. 1 Acme Sциopticon when packed for carrying, in its own Russia iron case, measures 15 x 10 x 6 inches, and weighs 12 pounds; the case serving as a convenient stand when the lantern is in use.

The Case and Body of the Lantern are of Russia iron, and neat and compact in form. That part of the body which surrounds the lamp is double, the outer cover being ornamentally perforated so as to allow a constant current of air to circulate and keep down the temperature.

The lamp is of the triple-wick variety, and so constructed that the three flames combine and by the draught of a ten-inch chimney give a brilliant flame.

The Condenser is four inches in diameter, neatly mounted in brass, thoroughly ventilated, and arranged with screw flange so that the lenses may be separated and cleaned when required.

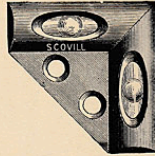
The Cone, which carries the objective, and the mount of that lens are nickel-plated. The objective is a double achromatic lens of one and a half inch clear aperture and five-inch focus, so that at a distance of twelve feet from the screen it gives a brilliant picture on disc six feet in diameter. The focus is roughly obtained by sliding the front, carrying both cone and lens; and fine adjustment by a rack and pinion on the objective.

The No. 2 Acme Sциopticon measures, when packed in case for carrying, 18 1/2 x 12 x 8 1/4, and weighs 19 pounds. The objective is a double achromatic lens of 1 1/2 inches clear aperture and 5 1/2 inches focus, so that at a distance of about 12 feet from the screen it shows a brilliant picture on disc eight feet in diameter. The lamp has five wicks and is correspondingly more powerful than the lamp with the No. 1 Sциopticon.

- Keystone Lantern Slide Mats, with gilt line around opening, per 100, 75c.; in packages of 25.....\$0 25
- Adhesive Binding Strips for Slides, per 100..... 20
- Thin Crystal Cover Glass, 3 1/4 x 4, per dozen. (Subject to change)..... 35
- Yellow Color Screens, for use with orthochromatic plates, made of two cemented plate-glass; sizes 2 1/2 x 2 1/2, \$1.00; 3 1/4 x 3 1/2..... 1 50

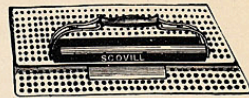
The Scovill Double Level.

The Scovill Double Level will be appreciated by landscape and tourist photographers. It is quite compact and may be attached to the body of hand cameras, but if a Tripod Camera is used it should be attached to the swing-back, and may be used with cameras of all sizes.



Price..... \$0 40

- Keystone "Roxyline" Enamel, for varnishing positives, transparencies and negatives. Used cold. 8 oz. bottle..... 75
- Britannia Alcohol Lamps, small flame..... 60
 - medium..... 70
 - large..... 1 25
- Tin Alcohol Lamps, medium flame..... 60
- Shears, 9 inch, common..... 25
 - 9 " medium..... 50
 - 9 " good..... 1 00
 - best..... \$1 50 to 2 50



(Cut, Ormsbee Washer.)

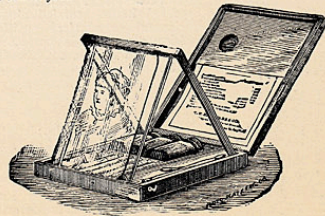
- Ormsbee's Photo. Washer.....\$8 00
- Troxell's Silver Erasive Soap, per cake..... 15
- French Pipettes, each..... 10
- Syphon Pumps, 3/8 x 35, 3/8 x 40, 1 1/4 x 40, each.....10 00
- Common Sense Print Cutter..... 5 00

Brownell's Patent Boxes fitted complete with Materials for Chromo-Photography.

PATENTED JULY 17th, 1877.

These boxes are prepared expressly for Chromo-Photo work and materials. They are provided with a clamp easel to hold the glass, while painting; in a way that allows an unobstructed passage of light through the work.

The lid and bottom of the box can be also used as an easel by placing the object in the grooves, the weight of the lid serving to hold the object.



Patented July 17th, 1877.

- No. 1 Box. Black walnut, size 8 3/4 x 6 1/2 x 1 1/2 in., each..... \$2 50
- Containing: Clamp Easel and Palette, nine Tubes of Oil Paints, one 1 oz. bottle Adhesive Preparation, one 1 oz. bottle Diaphanous Liquid, one 1 oz. bottle Drying Liquid, one No. 1 Bristle Oil Color Brush, one No. 2 Bristle Oil Color Brush, one No. 2 Bristle Diaphanous Brush, one Siberian Brush, for water colors, one Camel's Hair Pencil, one Smoothing Tool, six Water Colors, one sheet Gummed Paper, one sheet Sand Paper, one Pamphlet, Directions for the Art.

Sundries.

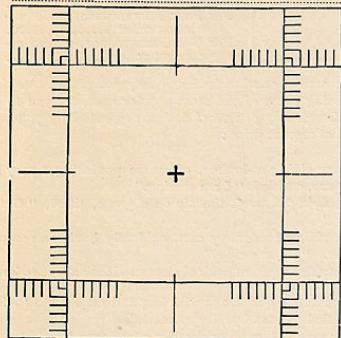
The Boston Mat,

(Copyrighted 1890.)

Has been designed for the purpose of simplifying the task of mounting slides so that when done they shall be well done; and to help the lantern operator to project them to the very best advantage.

THE BOSTON MAT

No. Negative made 18.....
Subject



This Mat Copyrighted 1890 by Wm. G. Anderson, Boston, Mass.

Plate.....Developer.....

Made by.....

There are several points pretty generally conceded, viz.:
1.—All upright lines in the view and straight sides of the mat should be perpendicular; and horizontal lines of view and mat level at the instant they become visible to an audience. The rocking motion on the screen, when an after adjustment is necessary, does not add to the effect.

2.—Harmony in size of view shown—this is obtained, whatever shape of opening, by making its longest way between two of the outside lines of the diagram.

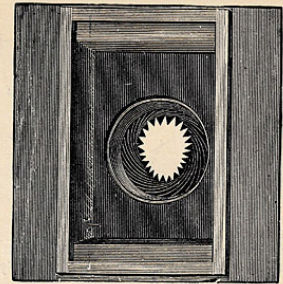
3.—Absolute Register. Mercantile slide plates are labeled 3 1/4 x 4 inches. As a matter of fact they are seldom of exact size, and the variation often exceeds 1/8 of an inch larger or smaller, either way. By first trimming on the dotted line which is to be on top when the slide is held upright, and then cutting the opening equally on each side of the central marks, the horizontal center line will always be thrown on the same place. To bring the perpendicular center always in the same place—First trim the left hand end of the mat by the dotted lines; that is exactly two inches from the center; cut the sides of the opening equidistant from the center; then by placing a "stop" on the lantern or carrier, all slides so matted will "register."

The Boston Mat is printed, for general sale, on gray paper. Any other easily obtainable kind, quality, or color will be used on special orders for six hundred or more, without extra charge.

Clubs or societies that select a special paper will have such reserved for their use only.

Price, plain, per hundred.....\$0 50
Including 100 Lantern Slide Numbers.

The Magic Vignetter.



Patented May 31, 1887.

For Producing the Popular Black Background or Ebony Photographs.

No more trouble or expense than in making plain photographs. Can be easily attached to the diaphragm of any Camera by the means of two screws. It is telescoped so it can be used with either a long or short focus lens. Every one guaranteed. The opening can be adjusted to the proper size by simply turning the ratchet, focus and expose as usual.

Price.....each, \$3 00

To get the best result with the Magic Vignetter, it is necessary to use a black felt ground, so placed that it will reflect no light in the Camera. We have secured for this purpose a superior felt, which we can furnish at the following prices:

- Size, 3 x 3.....\$0 80
- 3 x 6.....1 50
- 4 x 6.....\$2 00
- 6 x 6.....3 00
- 6 x 8.....\$4 00
- 6 x 10.....5 00

Backgrounds.

We are introducing a new line of Oil Grounds. No gloss; don't crack, crease or buckle up when rolled. These grounds are superior to all other for the Caswell or other Background Holders. Price, per square foot.....from 20 to 25 cents.

Interior, Landscape, Park and Marine Backgrounds.

- In Water Color.....from 12 1/2 to 25 cents.
- In Oil....." 20 " 30 "

Profile cabinets, columns, mantels, cottages, windows, boats, rustic walls, etc., painted in oil for safe transportation and durability.

Accessories.

- Balustrades.....from \$10 up to \$35 00
- Rustic Fence..... 7 50
- Large Rock..... 9 00
- Medium..... 6 00
- Small..... 2 00
- Set of three Rocks..... 15 00
- Combination Group Stump..... 8 00
- Fine Garden Seat, new design..... 10 00
- Stairways, etc.....

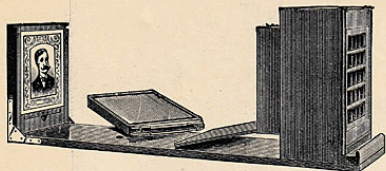
When sending for samples describe the style and price of goods you want.

Rembrandt, cloud, and shaded grounds, in water color, 15 cents per square foot; in oil, 20 cents. Foregrounds painted in oil, on stout linen, 15 cents per square foot. Continuous grounds, etc.

Sundries.

The Hyatt Stamp Portrait Apparatus.

PATENTED JULY 12, 1887.



With this wonderful little instrument the photographer is enabled to reproduce from a cabinet photograph 25 small pictures, the size of a postage stamp, on a 5 x 7 plate, by simply placing



MINETTE PHOTO.

the picture to be copied on the easel behind the mat or border and exposing and developing the plate in the usual manner.

No focusing is required, all the lenses are accurately adjusted and focused.

Stamp Photographs are very popular and useful for many purposes, such as trade marks, business and society cards, campaign badges, letter heads, and a thousand and one other purposes. Made in sheets like postage stamps, gummed and perforated, or cut apart, and readily attached to any article.

Every live photographer will readily see the great importance of this useful invention, and the means whereby he can advertise and increase his business, as his name may appear on every stamp.

Every instrument thoroughly tested and guaranteed.



STAMP PHOTO.

Stamp Photo, size for 25, on 5 x 7 plate, including 2 borders.....\$50 00
 Minette Photo, size for 8, on 5 x 8 plate, including 2 borders..... 40 00
 Perforators for perforating same under our Stamp Patent (also issued July 12, 1887)..... 35 00

Coolidge's

Photo-Caricature Foregrounds.



We wish to call attention to COOLIDGE'S PHOTO-CARICATURE FOREGROUNDS. By investing a small amount in them you will be enabled to give your customers a vast amount of enjoyment and add materially to your cash account.

In photographing caricatures, the cardboard foregrounds are simply held up under the sitter's chin, as observed in small cut.

PRICE LIST.

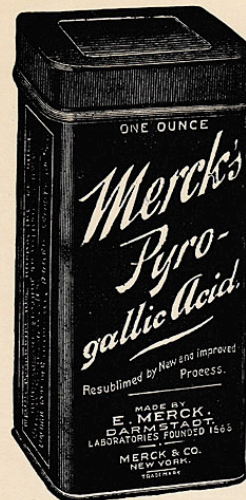
For Single Foreground, mailed secure on roller..... \$2 00
 For Four Foregrounds, mailed secure on roller..... 6 00
 For Ten Foregrounds, mailed secure on roller..... 10 00

From among one hundred and fifty designs we note the following, being some of the most popular ones, for you to select from, although any practical design suggested by you will be furnished at regular price:

- No.
- 1—A man riding a donkey, of course producing a very lively picture, entitled, "I am coming."
 - 3—Man flying through the air on a goose, titled, "Out on a Fly."
 - 6—Man riding in donkey cart, evidently having an enjoyable time. "Have a ride?"
 - 7—Person fishing from bank of stream. Hook about to be taken by a monster fish.
 - 9—Represents a gentleman with bag and cane about to depart, entitled "Good-bye, Sweetheart."
 - 11—A fat man. A good subject for a lean man to select.
 - 13—"No one to love." Man with handkerchief in hand, weeping.
 - 16—Girl promenading.
 - 17—"When I joined the club." Fellow trying to ride a goat. Good for all Order men.
 - 18—Holding the baby. Baby is crying and subject is walking the floor with it. Good for family men. (See cut above.)
 - 19—The bachelor. Man sewing on buttons. Good for a bachelor to send to a lady friend.
 - 20—Man drinking a glass of lager. Taking among the Teutons.
 - 21—"Put me in my little bed." Person in night gown with candle in hand.
 - 23—A modern swell. Very captivating.
 - 25—The base-ball player. Taking among fellows fond of the sport.
 - 27—"Coney Island." Man bathing.
 - 31—"I paddle my own canoe." Man in canoe.
 - 38—"Only a chicken." Man or woman with chicken's body.
 - 44—Correct style. Man with high collar, mostly collar.
 - 51—"I'm engaged!" Lady with ring on finger.
 - 54—The Bicyclist. Very popular.
 - 56—"I travel with the Circus." Man riding on elephant.
 - 63—"Fresh from Cork." (Irish.)
 - 67—"Will you love me when I'm old?" By placing on the subject an old hat and eye-glasses, an exceeding humorous caricature is obtained.
 - 68—My Dog Cart. Man drawn by diminutive dog.
 - 69—"Wait for me" Agent running with bags.
 - 99—Down in Florida. Man riding crocodile.
 - 105—A Champion Pugilist.
 - 116—"Hot Day." Man with fan.
 - 119—The Serenader. Fellow singing and playing the banjo.
 - 120—A Man Tobogganist.
 - 121—Young lady riding a donkey in fine style. Good companion for No. 1.

Sundries.

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."

PRICES.				
One lb. can.	½ lb. can.	¼ lb. can.	Oz. glass.	Oz. can.
\$4.67 each.	\$2.40 each.	\$1.25 each.	40c. each.	35c. each.

1840

1840

1840

1840

1840

1840