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And AMERICAN PHOTOGRAPHER.

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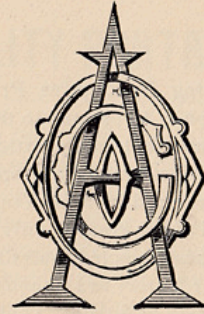
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Parties unknown to us will save delay in their orders by giving approved references, where they seek to establish a line of credit.

As prices of certain goods fluctuate, this Catalogue gives their value at the date of issue.

We pack with the utmost care, and cannot be held accountable for breakage in transportation.



DESCRIPTIVE CATALOGUE

OF

Photographic Apparatus

MANUFACTURED BY THE

AMERICAN OPTICAL CO.



Fac-simile of silver name plate on each genuine American Opt. Co. Camera.

SCOVILL MANUFACTURING CO.,

Proprietors and Managers.

In submitting the following Descriptive Price List of the American Optical Company's Photographic Apparatus to the notice of photographers, the manufacturers beg to state that every article is warranted, and will be found upon examination to be exactly as represented.

This apparatus is manufactured in New York City under our immediate personal supervision, and as we employ only highly skilled workmen, and use nothing but the choicest selected materials, we do not hesitate to assert that the products of our factory are unequalled in durability, excellence of workmanship, and style of finish. Their superiority is now freely conceded not only in this country, but throughout England, Germany, Australia, Mexico, the West Indies and South America.

Quality being considered, our prices are moderate, as the same grade of apparatus cannot be supplied for less price.

Dealers in photographic stock throughout this and foreign countries keep our apparatus on hand, but photographers failing to find it where they are accustomed to purchase may send their orders direct to the manufacturers.

To insure attention, all orders for special apparatus must be accompanied by a remittance, covering one-third of the amount of proposed purchase.

Our apparatus is packed with the utmost care by experienced and careful packers, hence we assume no responsibility for breakage or damage in transportation.

All of the Cameras described in this Catalogue are supplied at the same list price, whether they are fitted with Solid Glass Corner, Bonanza, or either of the styles of Dry Plate Holders.

In ordering apparatus, parties should give the marginal numbers and style in full. When separate Holders are ordered, please observe directions given on page 31 and save the delay occasioned by our being compelled to write for detailed specifications.

It is our boast that we are progressive, and hence our Apparatus is improved when it is found practicable to make changes that are real improvements. This may cause slight departures from the printed description in this Catalogue, but please remember that all changes are for the better, and that we thus voluntarily add to the cost of production.

We beg leave to emphasize the suggestion, that customers, by giving their orders for apparatus before they are actually in want, will favor us greatly and spare themselves annoyance from delays, which in our busiest season are sometimes unavoidable, and at the same time we can give better satisfaction and more attention to their commands.

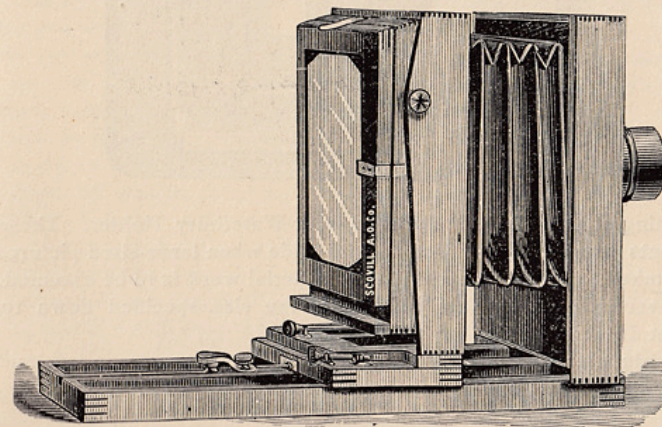
SCOVILL MANUFACTURING CO.,
PROPRIETORS, AMERICAN OPTICAL CO.

EXTRA QUALITY PORTRAIT CAMERAS.

All American Optical Company's Portrait Cameras are made with the V-shaped Wooden Guide, which is superior to the Metal Guide formerly attached to them. Among the many improvements attached to the cameras described in the following list, to which the attention of operators is called, is the Double Swing-back, which may, during the early stages of construction, be attached to all cameras, whether portrait or view. Any operator who has been annoyed by being unable to reflect the image upon the ground glass without distortion, will immediately 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. After the figure is properly delineated on the ground glass, the clamps at the side enable one to fasten the ground glass in whatever position it is wanted. When lenses of very 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 be very careful. The Swing-back is a time-saver, and helps the operator at once to overcome the trouble spoken of. It is desirable with *all* lenses.

American Optical Co.'s Portrait Cameras, with Waterbury, Bonanza, Reversible Solid Glass Corner, or either Style of Dry Plate Holder.



The following Cameras are manufactured from the best mohogany, French polished, with India-rubber or leather bellows, the V-shaped wooden guide, and, in sizes up to 8 x 10, with a patent focusing cam.

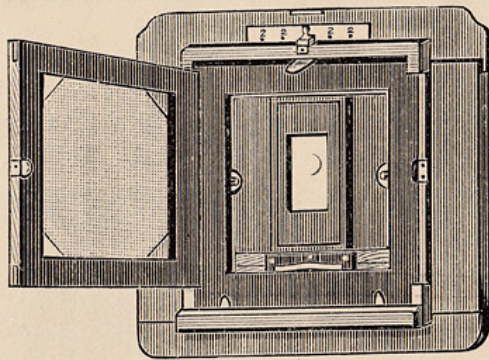
Larger sizes, 8 x 10 and upwards, are furnished with our Lever Focusing Attachment, by which the most delicate focus can be adjusted with the utmost facility and ease.

SIZES AND PRICES OF PORTRAIT CAMERAS.

No.	Size.	To cover plates.	Single Swing-back.	Double Swing-back.
1...	I-4.....	3½ x 4½ inches.....	\$16 00.....	\$20 00
2...	I-2.....	4½ x 5½ ".....	22 00.....	27 00
3...	4-4.....	6½ x 8½ ".....	38 00.....	43 00
4...	Extra 4-4...	8 x 10 ins., with platform 30 in. long,	43 00.....	47 50
4½.....	10 x 12 ".....	".....	36 ".....	55 00..... 60 00
5.....	11 x 14 ".....	".....	48 ".....	64 00..... 71 00
6.....	14 x 17 ".....	".....	60 ".....	78 00..... 88 00
7.....	17 x 20 ".....	".....	65 ".....	95 00..... 105 00
7½.....	18 x 22 ".....	".....	70 ".....	100 00..... 110 00
7a.....	20 x 24 ".....	".....	75 ".....	110 00..... 115 00
7b.....	25 x 30 ".....	".....	80 ".....	160 00..... 175 00

Attachments for Portrait Cameras

(American Optical Co.'s make, Nos. 5 to 7 inclusive.)



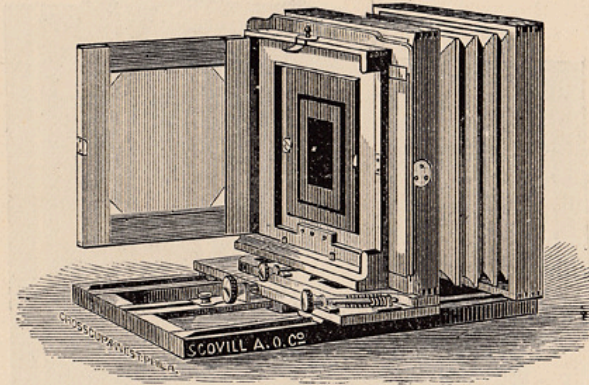
Consisting of a Carriage and Bonanza or Waterbury Holder. These attachments can, without bother, be laid aside when large-sized pictures are to be taken, and be replaced when Imperial work is to be executed, for which service they are available, from the size specified down to the smallest Imperial work.

In ordering these, it will be necessary to specify camera in use, and the outside size at the back, to guard against possibility of error.

8 x 10 Holder and Attachment for No. 5 Camera, 11 x 14..	\$22 00
8 x 10 " " " 6 " 14 x 17..	26 00
8 x 10 " " " 7 " 17 x 20..	32 00
11 x 14 " " " 7a " 20 x 24..	42 00

The American Optical Co.'s Imperial or Cabinet Cameras.

EXTRA QUALITY.



Our "Imperial Cabinet" Camera is one of the most useful and acceptable that we have ever produced, and it has probably done more than is generally accredited to it toward the production of the imperial or cabinet size of portraits. We have allowed no pains to be spared in our works to have it answer *exactly* all the requirements that could be made of it, and to make it perfect in all its parts.

The above illustration shows it in all its beautiful proportions. It is provided with the India-rubber Bellows, the Double Swing-back, the Swinging Ground Glass, the Lever Focusing Adjuster, and the 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 promenade 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 4½ x 6½ 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 make two cards on a 5 x 8 plate. The same style of camera is made in 4-4 size.

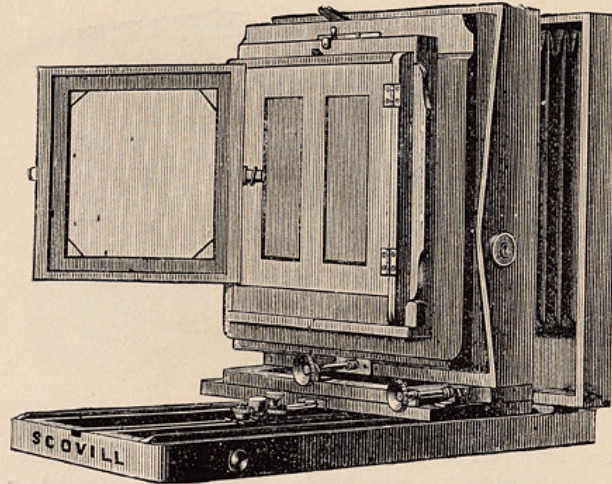
The 10 x 12 Imperial Camera is the same as the 8 x 10 Imperial and 4-4, only larger. All the Imperial Cameras can be arranged so as to take four cards and two Victoria or card size with two 1-2 lenses (simply by reversing the front board, which requires an extra diaphragm).

No.	Without Swing.	Double Swing-back.
22.—4-4 Imperial Camera.....	\$42 50	\$52 00
" 23.—8 x 10 ".....	47 50	57 00
" 24.—10 x 12 ".....	52 00	66 50
" 24a.—11 x 14 ".....	70 00	80 00
" 24b.—14 x 17 ".....	90 00	100 00

Bonanza or Waterbury Holders can be put on these Cameras.

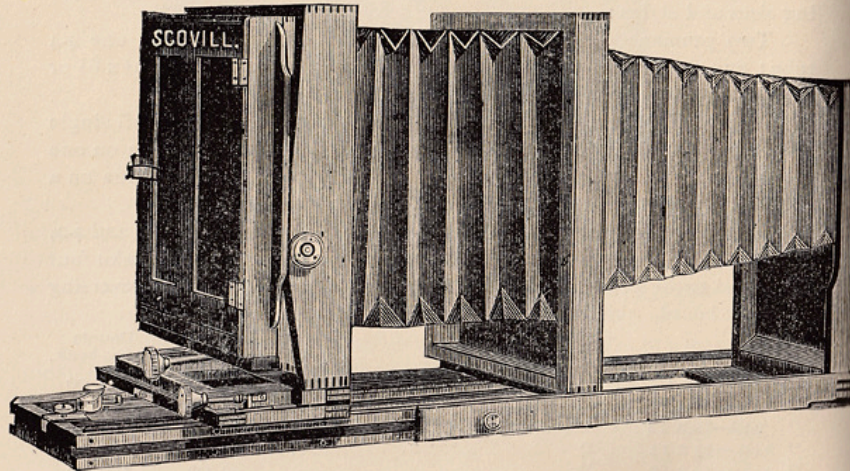
Boston Imperial Cameras.

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 Bonanza 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 1-2 size lens; two large panel pictures, 6 x 10 inches in size, can also be made, and regular work from 11 x 14 to 1-4 inclusive.

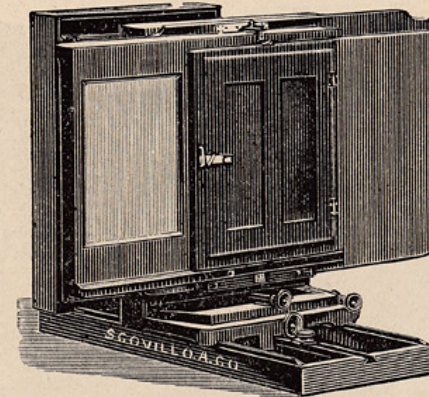
- No. 24c.—11 x 14 Boston Imperial Camera, double swing-back.... \$90 00
- “ 24d.—14 x 17 “ “ “ “ “ 110 00
- “ 24e.—18 x 22 “ “ “ “ “ 138 00



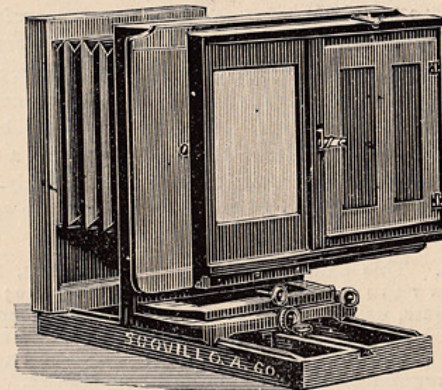
These Cameras may be fitted either with Waterbury or Bonanza Holder.

The American Optical Co.'s Royal Cameras.

EXTRA QUALITY.



This Camera does precisely the same work as an Imperial Camera, and has all of 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.



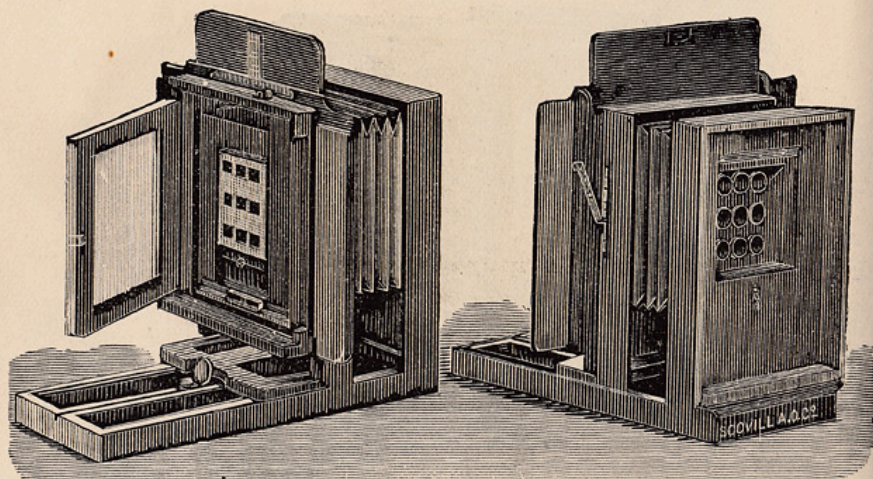
- 8 x 10 Royal Camera, double swing-back..... \$57 00
- 10 x 12 “ “ “ 66 50
- 11 x 14 “ “ “ 85 00
- 14 x 17 “ “ “ 100 00

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

Bonanza or Waterbury Holders may be put on these Cameras.

The Am. Opt. Co.'s Multiplying Camera.

EXTRA QUALITY.



The gem of all Gem Cameras is the American Optical Company'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, catches, 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. It has been lately improved by the supplying of a register directly in front and a carriage at the back, and all are now made after that pattern; consequently, when holders are ordered for Multiplying Cameras, it will be necessary to specify whether the camera in use has a carriage or not.

No. 25.—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 1-3 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 from 1-4 to 8 x 10 inclusive.

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

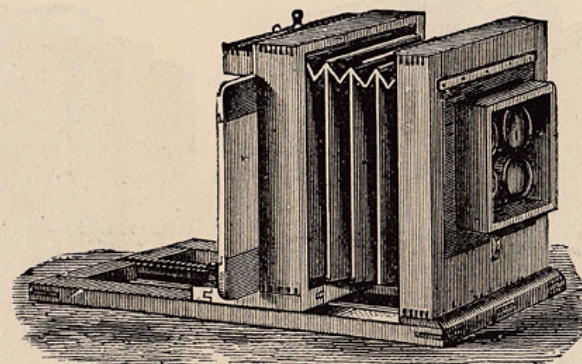
The holders contain two sets of kits for ferrotypes and negatives. The latter with glass corners.

Unfitted (that is, without any tubes).....	\$85 50
Fitted with nine 1-9 Darlot tubes.....	109 00
“ “ “ and two 1-4 Darlot tubes	118 00
“ “ “ “ four 1-4 “	128 00

Solid Glass Corner Holders only put on these Cameras.

The American Optical Co.'s Victoria Camera.

EXTRA QUALITY.



The introduction of the beautiful new size of photograph, called 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; four cartes-de-visite, using four 1-4 tubes, 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 1-6 to 5 x 7, using one tube. Four 1-4 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. It is a great improvement on the old contrivance.

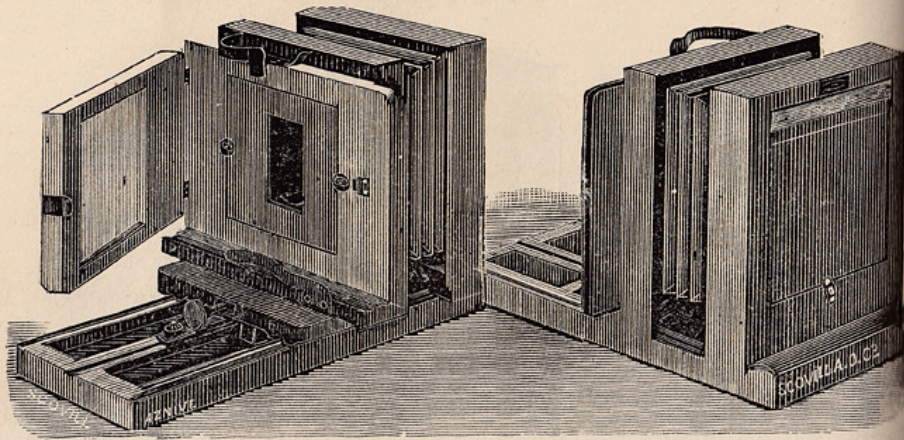
The styles are:

No. 21.—Victoria Card Camera, with four 1-4 tubes only.....	\$56 00
“ “ “ without tubes.....	36 00
“ 21a.—New style, using two 1-4 size tubes only (without tubes)..	36 00
“ “ “ with two 1-4 size tubes.....	46 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. Formerly these cameras were not made high enough for a Bonanza Holder, but now they are made so that it may be fitted with either an S. G. C. or Bonanza Holder.

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 1-9 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. We recommend it to the attention of all who desire a really good camera.

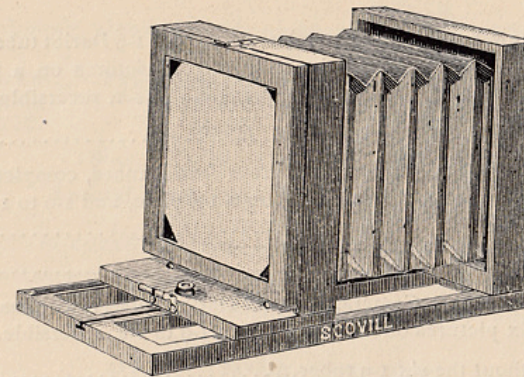
No. 13—Chicago Card Camera for two cards on a $4\frac{1}{4} \times 6\frac{1}{2}$ plate, and 1-9 to 1-2 size pictures, reversible..... \$26 00
 " The same, with double swing-back... 36 00

Bonanza Holders cannot be fitted to this Camera.

STANDARD QUALITY CAMERAS.

American Optical Company's Standard Quality Portrait Cameras.

To meet the wants of a large class of customers who give preference to the cameras of our manufacture over those of all others, we have been induced to put into the market a cheaper class of cameras, not so highly finished as our extra quality goods, and without swing-back, but, at the same time, *good, well made, true and reliable* cameras, and, without question, the best of their class in the market. We can recommend them as being of superior workmanship when compared with others of the same price.

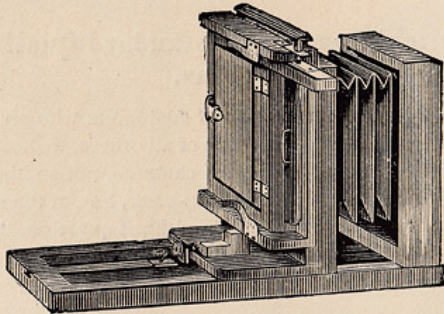


No. 141—1-4 size, reversible, for plate $3\frac{1}{4} \times 4\frac{1}{4}$ inches.....	\$9 50
" 142—1-2 " " " $4\frac{1}{4} \times 5\frac{1}{2}$ "	13 00
" 143—4-4 " " " $6\frac{1}{2} \times 8\frac{1}{2}$ "	17 00
" 144—Ex. 4-4, " " " 8 x 10 "	23 00
" 145— " " " 8 x 10 " with focus rack	25 00
" 146—10 x 12 size, reversible, with focus rack.	34 00
" 147—11 x 14 " " "	40 00
" 148—14 x 17 " " "	50 00
" 149—17 x 20 " " "	66 50
" 150— $4\frac{1}{4} \times 6\frac{1}{2}$ " " for two cards, using two tubes.....	9 50
" 151—4-4, reversible, with attachment for two cards on $4\frac{1}{4} \times 6\frac{1}{2}$ plates, using two tubes.....	24 00
" 152—4 x 7, 4 x 8 or 5 x 8 stereo. camera.....	19 00

In the last case, the size of plate desired must be specified.

The Standard Cameras are all fitted with Glass Corner Holders.

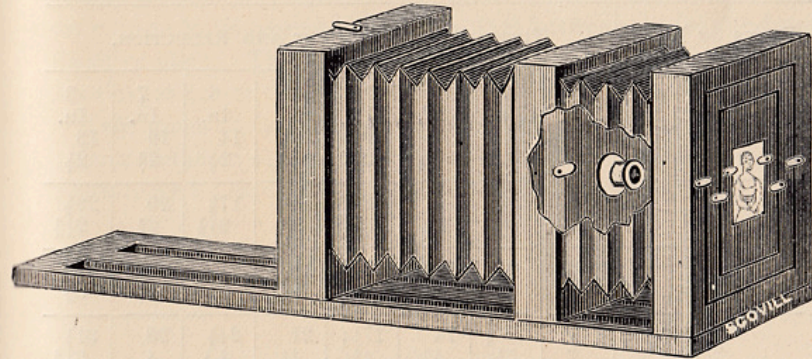
American Optical Company's Standard Gem Cameras.



- No. 153.—“New York Gem,” 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.. \$25 00
Without the four 1-9 tubes..... 18 00
- “ 154.—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
- “ 155.—1-2 size Gem Camera, with six Darlot tubes; will make six pictures on a 1-2 plate, and 1-9 to 1-2, reversible... 34 00
Without the six 1-9 tubes..... 17 00
- “ 155a.—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.
- “ 156.—4-4 size Gem Camera, with twelve Darlot tubes; will make twelve pictures on a 4-4 plate, and 1-6 to 6½ x 8½, reversible..... 57 00
Without the twelve 1-9 tubes..... 23 00
- “ 157.—4-4 size Gem Camera, with four 1-4 tubes; will make four pictures on a 6½ x 8½ plate, and regular work 1-6 to 4-4..... 42 50
Without the four 1-4 tubes..... 23 00

Bonanza Holders not fitted to these Cameras.

The Scovill Enlarging, Reducing and Copying Cameras.



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

Size, 6½x8½,	Price, \$30.00	Size, 11x14,	Price, \$60.00
“ 8x10,	“ 35.00	“ 14x17,	“ 72.00
“ 10x12,	“ 48.00		
	Size, 17 x 20,		\$90.00.

Special sizes and styles made to order.

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

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 toward 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.

These examples will furnish a key to the following table :

TABLE FOR ENLARGEMENTS.

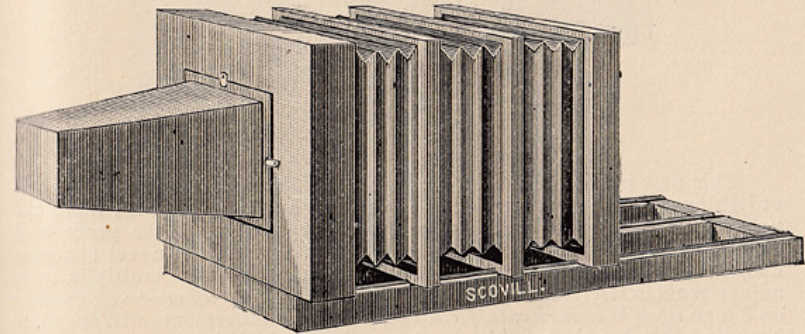
Copied from the "British Journal Almanac for 1882."

FOCUS OF LENS.	TIMES OF ENLARGEMENT AND REDUCTION.								
	1 In.	2 In.	3 In.	4 In.	5 In.	6 In.	7 In.	8 In.	
2	4 4	6 3	8 2 $\frac{3}{4}$	10 2 $\frac{1}{2}$	12 2 $\frac{2}{3}$	14 2 $\frac{1}{3}$	16 2 $\frac{2}{7}$	18 2 $\frac{1}{4}$	
2 $\frac{1}{2}$	5 5	7 $\frac{1}{2}$ 3 $\frac{3}{4}$	10 3 $\frac{1}{3}$	12 $\frac{1}{2}$ 3 $\frac{1}{6}$	15 3	17 $\frac{1}{2}$ 2 $\frac{1}{3}$	20 2 $\frac{2}{5}$	22 $\frac{1}{2}$ 2 $\frac{1}{6}$	
3	6 6	9 4 $\frac{1}{2}$	12 4	15 3 $\frac{3}{4}$	18 3 $\frac{2}{3}$	21 3 $\frac{1}{2}$	24 3 $\frac{2}{7}$	27 3 $\frac{2}{3}$	
3 $\frac{1}{2}$	7 7	10 $\frac{1}{2}$ 5 $\frac{1}{4}$	14 4 $\frac{2}{3}$	17 $\frac{1}{2}$ 4 $\frac{3}{4}$	21 4 $\frac{1}{3}$	24 $\frac{1}{2}$ 4 $\frac{1}{5}$	28 4	31 $\frac{1}{2}$ 3 $\frac{1}{5}$	
4	8 8	12 6	16 5 $\frac{1}{4}$	20 5	24 4 $\frac{2}{3}$	28 4 $\frac{2}{5}$	32 4 $\frac{1}{4}$	36 4 $\frac{1}{2}$	
4 $\frac{1}{2}$	9 9	13 $\frac{1}{2}$ 6 $\frac{3}{4}$	18 6	22 $\frac{1}{2}$ 5 $\frac{5}{8}$	27 5 $\frac{2}{3}$	31 $\frac{1}{2}$ 5 $\frac{1}{4}$	36 5 $\frac{1}{7}$	40 $\frac{1}{2}$ 5 $\frac{1}{6}$	
5	10 10	15 7 $\frac{1}{2}$	20 6 $\frac{2}{3}$	25 6 $\frac{1}{4}$	30 6	35 5 $\frac{2}{3}$	40 5 $\frac{2}{7}$	45 5 $\frac{2}{3}$	
5 $\frac{1}{2}$	11 11	16 $\frac{1}{2}$ 8 $\frac{1}{4}$	22 7 $\frac{1}{8}$	27 $\frac{1}{2}$ 6 $\frac{7}{8}$	33 6 $\frac{1}{2}$	38 $\frac{1}{2}$ 6 $\frac{1}{2}$	44 6 $\frac{2}{7}$	49 $\frac{1}{2}$ 6 $\frac{3}{8}$	
6	12 12	18 9	24 8	30 7 $\frac{1}{2}$	36 7 $\frac{1}{6}$	42 7	48 6 $\frac{2}{7}$	54 6 $\frac{1}{4}$	
7	14 14	21 10 $\frac{1}{2}$	28 9 $\frac{1}{3}$	35 8 $\frac{3}{4}$	42 8 $\frac{2}{3}$	49 8 $\frac{1}{6}$	56 8	63 7 $\frac{2}{3}$	
8	16 16	24 12	32 10 $\frac{2}{3}$	40 10	48 9 $\frac{2}{3}$	56 9 $\frac{1}{3}$	64 9 $\frac{1}{7}$	72 9	
9	18 18	27 13 $\frac{1}{2}$	36 12	45 11 $\frac{1}{4}$	54 10 $\frac{2}{3}$	63 10 $\frac{1}{2}$	72 10 $\frac{2}{7}$	81 10 $\frac{1}{3}$	

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 *carte* 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—7 $\frac{1}{2}$. 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 pic-

ure 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.



Copying Cameras.

These Cameras are made of hard wood shellacked, not varnished. Naturally, they are without swing, but in every requisite they are complete; and for this particular service, as well as others, the American Optical Company's make is sought for before all others. 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 bed desired, either rigid or detachable, and with either single or double bellows.

Estimates promptly and cheerfully furnished.

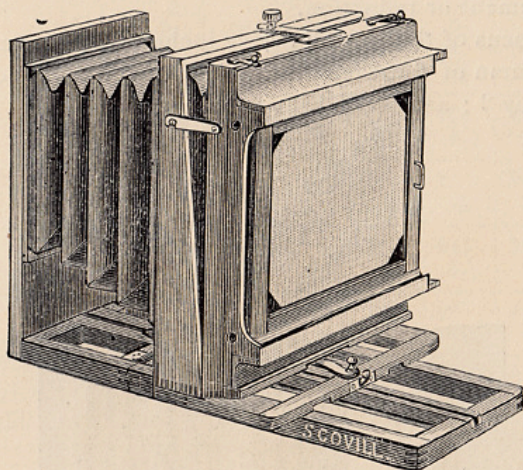
6 $\frac{1}{2}$ x 8 $\frac{1}{2}$, with bed 3 feet in length.	\$25 00
8 x 10 " 3 $\frac{1}{4}$ "	30 00
10 x 12 " 4 "	38 00
11 x 14 " 4 $\frac{1}{2}$ "	45 00
14 x 17 " 5 "	58 00
17 x 20 " 6 "	64 00
20 x 24 " 6 "	90 00

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

VIEW CAMERAS.

The Superb Reversible Back Cone View Camera.

(PATENTED)



This new pattern of a View Camera has no equal in beauty of design or lightness. The growing use of day plates and the desire for rapid exposures led to its introduction, and because it adds to the grace and celerity of view taking it has become vastly popular. A novel arrangement of a detachable carriage at the back combines such a multiplicity of adjustments in itself that a dry-plate holder may be reversed or be set for either an 8 x 10 upright or horizontal picture—all of these movements without once changing the dry-plate holder in the carriage, which is made to receive a Daisy dry-plate holder.

No.	For view.	Single Swing-back.	Double Swing-back.
351	Cone View Camera, 4 1/4 x 5 1/2, reversible	\$31 00	\$36 00
351a	" " 5 x 7	40 00	45 00
352	" " 6 1/2 x 8 1/2	43 00	48 00
353	" " 8 x 10	47 00	52 00
354	" " 10 x 12	61 00	66 00
355	" " 11 x 14	74 00	78 00
356	" " 14 x 17	85 00	90 00
357	" " 17 x 20	100 00	105 00
357a	" " 18 x 22	105 00	110 00
358	" " 20 x 24	114 00	124 00

When extra plate holders are desired for the Reversible Back View Camera, be sure to specify the outside size of Holders now in use, also whether they slide in a carriage or set on pins.

The Venus Reversible Back View Camera.

It has the American Optical Company's Cone Bellows Reversible Back View Camera, double swing-back, with the addition of a stereo attachment and a 5 x 8 kit. Its capacity is 1-4, 1-2, 4-5, 5 x 8 and 8 x 10 pictures reversible, with one tube, and stereos. on 5 x 8 plate, with two tubes.

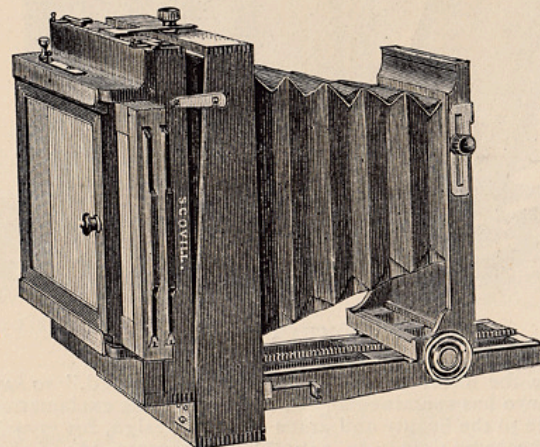
Reversible Back Venus Camera..... \$52 00 \$57 00

ST. LOUIS Reversible-Back Cameras.

(PATENTED.)

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

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



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

SAINT LOUIS REVERSIBLE-BACK CAMERAS.

For View.	Single Swing-back.	Double Swing-back.	Fitted with Eastman-Walker Roll Holder. New Model with Automatic Tally.	
			Single Swing-back.	Double Swing-back.
4 x 5	\$25 00	\$29 00	.....	.....
4 1/4 x 5 1/2	26 00	30 00	.....	.....
4 1/4 x 6 1/2	30 00	34 00	.....	.....
5 x 7	32 00	35 00	\$52 00	\$55 00
5 x 8	34 00	38 00	54 00	58 00
6 1/2 x 8 1/2	36 00	40 00	60 00	64 00
8 x 10	40 00	44 00	70 00	74 00
11 x 14	60 00	64 00	102 00	106 00

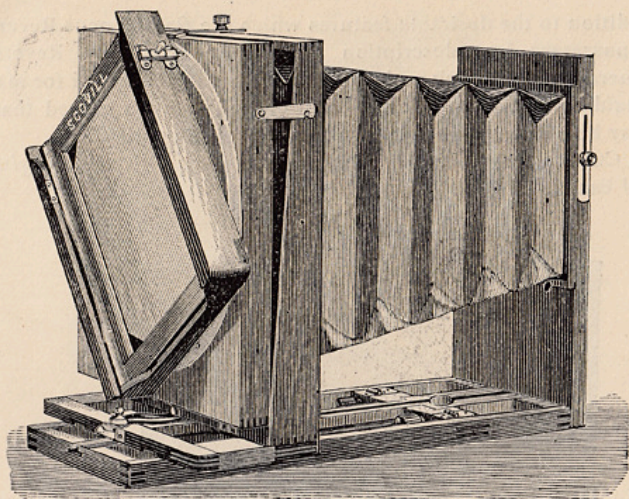
Not made above 11x14 size.

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

Flammang's Patent Revolving-Back Cameras.

(PATENTED.)

Each Incased in a Canvas Bag, with Handle.



(BACK FOCUS PATTERN.)

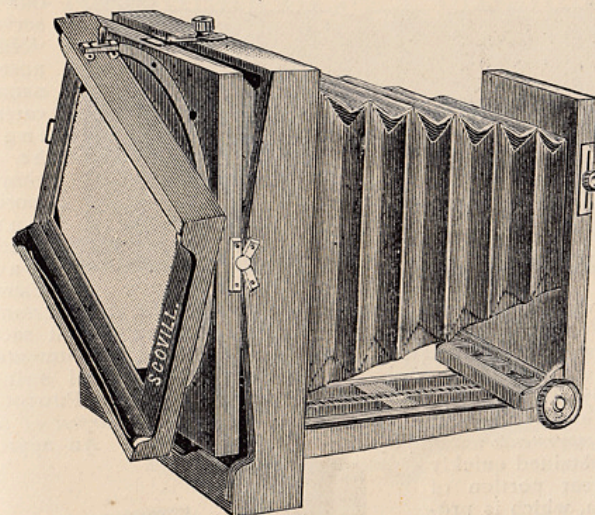
"These are the finest View Cameras ever constructed," so says every photographer who has examined any of them, and this exclamation is not merely a tribute to the beauty and grace of their design, for invariably the desire has at the same time been expressed to possess one of these truly novel and substantial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

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

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

Revolving-back Camera.

(PATENTED)



(FRONT FOCUS PATTERN.)

PRICE LIST.

Revolving-back Cameras, each incased in a canvas bag, with handle, and above 14x17 size, with two handles.

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

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

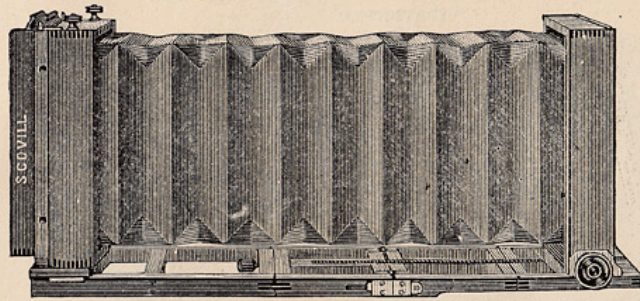
These Cameras are fitted with Daisy Dry-plate Holders.

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

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

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

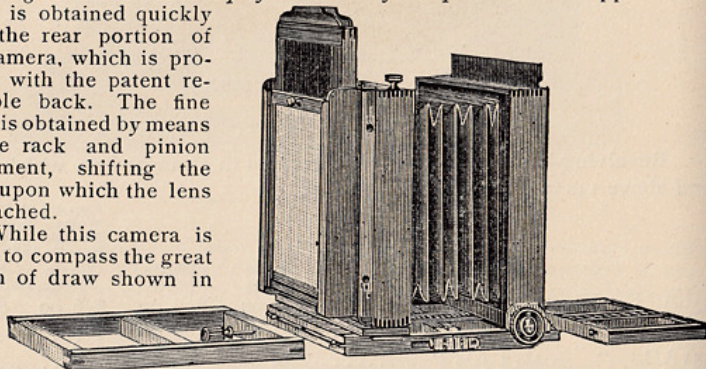
THE SCOVILL MANIFOLD CAMERA.



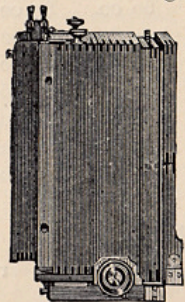
While this camera serves manifold purposes as its name indicates, nothing could be more simple or more easily manipulated. The Manifold Camera has

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 patented 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 quickly with 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, shifting the front upon which the lens is attached.

While this camera is made to compass the great length of draw shown in



the first illustration, the rear portion of the bed may be wholly detached, and when desired, one-third of the remaining portion of the platform; a great advantage when photographing interiors, when an obtrusive tail board renders focusing 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 firmly against the lens. The bed folds in front of and behind the camera, and has the patented latch recently devised at the American Optical Co.'s factory. PRICE LIST, including Canvas Case for Camera and one Holder, with *patent Reg. Slides*.

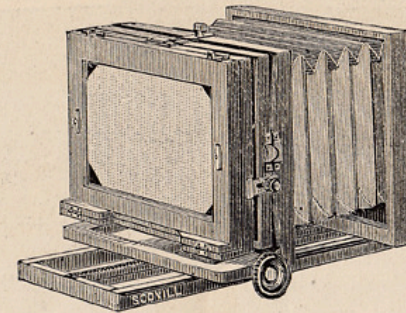
3 1/4 x 4 1/4 size... \$34 00 | 4 3/4 x 6 1/2 size.... \$41 00 | 6 1/2 x 8 1/2 size. ... \$52 50
 4 x 5 size..... 38 00 | 5 x 7 size 42 00 | 8 x 10 size. 58 00
 4 1/4 x 5 1/2 size.... 40 00

Fitted with Eastman-Walking Roll Holder, New Model:

4x5 size, \$53 00; 4 1/2 x 6 1/2, \$58 50; 5x7, \$62 00; 6 1/4 x 8 1/4, \$76 50; 8x10 \$88 00

STEREOSCOPIC CAMERA.

The Model Stereo. Camera.



This is the lightest and most compact *Wet Plate Camera* ever made for plates of the size below mentioned. It combines every desirable feature in a stereo. camera, and is superior to all others yet introduced in that it has no loose piece or part of any description. It is made with vertical sliding front for adjusting foreground and sky. These cameras are the only ones made in this country which combine portability and lightness with durability and perfect accuracy—qualities which every operator will appreciate, and which have heretofore been overlooked by apparatus makers.

The Model Cameras now made have the ground glass frame arranged in focus for both wet and dry plate work.

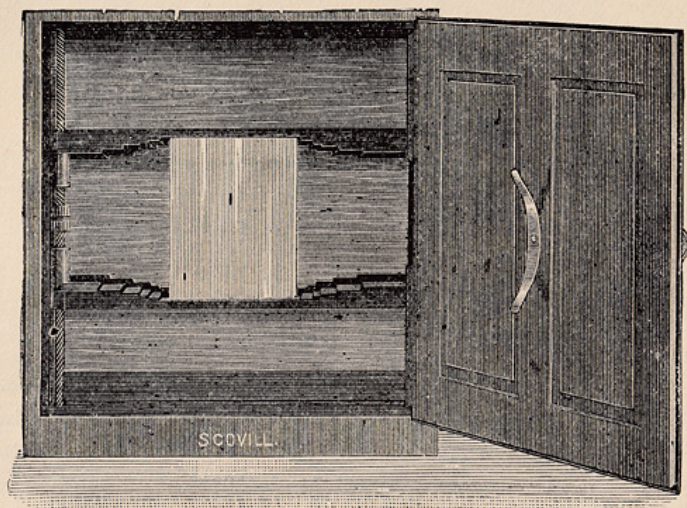
For stereo. and single views, reversible, on plates, 4x7, 4x8, 5x8.

Fitted with Eastman Walker Roll-Holder, New Model.

Single swing-back	\$28 00	\$48 50
Double swing-back	33 00	53 00

Dry Plate Holders.

THE WATERBURY DRY PLATE HOLDER IS THE BEST ONE FOR THE STUDIO.



(PATENT APPLIED FOR.)

THE WATERBURY HOLDER may be adjusted to various sizes of plates quicker and easier than any other holder. No kits are required, and the plates used must be in the centre; in fact, they cannot be out of the centre, and may be laid in the proper place in the dark.

The WATERBURY HOLDER requires no latches to secure the plate firmly in place. The mechanism is so simple that it cannot get out of order except by destroying the holder.

The WATERBURY HOLDER adjustments work with entire freedom and yet without vibration or side play.

The WATERBURY HOLDERS are so complete and pleasant to work with that every dark-room operator must have them.

The Bonanza Holder was acknowledged to be the king of wet plate holders; and every candid man will admit that the WATERBURY HOLDER is the best dry plate holder for gallery use.

All American Optical Company's Portrait Cameras will be fitted with the Waterbury Holder, where so ordered, at the regular catalogue prices.

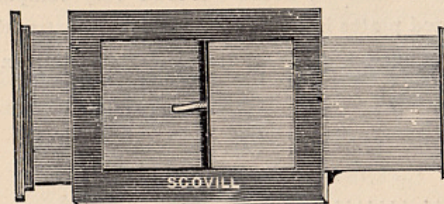
PRICE LIST OF WATERBURY HOLDERS.

6½ x 8½	\$8 75	17 x 20	\$24 00
8 x 10	9 50	18 x 22	27 00
10 x 12	14 40	20 x 24	32 00
11 x 14	18 00	25 x 30	40 00
14 x 17	22 00		

The introduction of Dry Plates necessitated special Holders, which should be more protected against the admission of light than any before constructed.

Ever abreast and leading in the manufacture of the finest apparatus, the American Optical Company's factory is producing the best Dry Plate Holders that have been offered to the photographic fraternity. As nothing but seasoned material and the best workmanship is employed, there is a guarantee that the holders will not warp, crack, and leak light, as some others soon do.

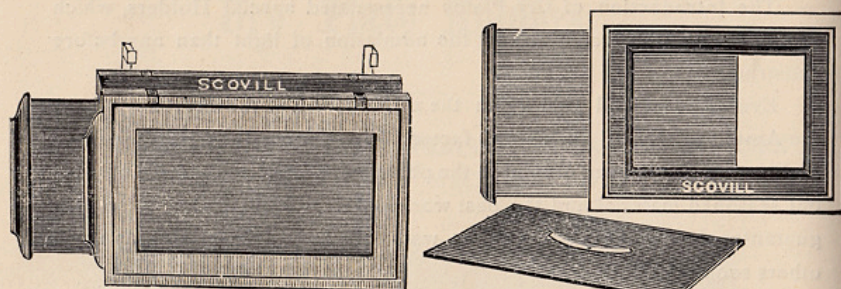
For the guidance of those who are just taking up dry plate work, we give a brief description of the holders for this purpose now made at our factory.



Scovill's Patent.

"Scovill's Patent Double Dry Plate Holders" are reversible, and made to carry two plates of equal size, and kits where desired. Much as they are employed, we do not recommend them for use with plates above 14x17 size, on account of the great weight of two such large lights of double thick glass, taken in connection with that of the holder, making it cumbersome and hard to handle.

Next on the list comes the Daisy Dry Plate Holder. "This holder is a Daisy." The frequent repetition of this exclamation fixed the name by which our new holder is designated. It has the great merit of being lighter and of occupying less space than any other substantial holder ever devised. The Daisy Holder opens like a book when the dry plates are being put into or taken out of it, and so arranged that light cannot penetrate from one side to the other. They are so devised that kits of lesser sizes may be carried in the outside frame, which permits two plates of different sizes to be used in such a holder.



The Daisy.

Flammang's Patent.

The "Flammang Patent Single Dry Plate Holder" is so arranged that kits of lesser size may be placed in it. This holder is especially adapted for use with pocket cameras, because it is so very compact, and also for use with large-sized plates in the studio. Their construction is so unique that no meddling person can withdraw the front and expose a plate to white light.

Size.	Scovill's Patent Double Dry Plate Holder. Kits Extra.	Daisy Double Dry Plate Holder. Kits extra.	Flammang's Single Dry Plate Holder. With Kits.
3½x4¼.....	\$1.50	\$1.75	\$1.50
4x5.....	1.75	2.00	1.75
4½x5½.....	1.85	2.10	1.85
4½x6½.....	1.90	2.25	1.90
5x7.....	2.10	2.35	2.10
5x8.....	2.20	2.50	2.20
6½x8½.....	3.80	4.20	3.80
8x10.....	5.00	6.00	5.00
10x12.....	7.00	8.00	7.00
11x14.....	8.50	10.00	8.50
14x17.....	10.80	12.50	10.80
17x20.....	*	15.50	13.00
18x22.....	*	18.00	15.00
20x24.....	*	21.50	18.00
25x30.....	*	26.00	25.00

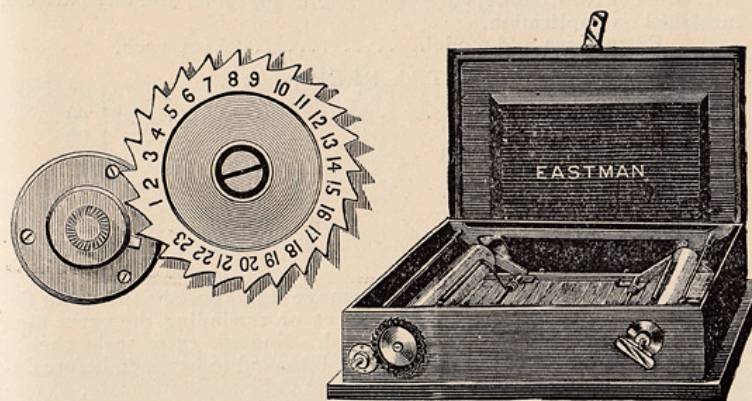
* Not made because of the weight of holder and of double thick glass.

In ordering holders, parties should send their old holder as sample, if possible, to avoid mistakes; otherwise maker's name should be given and EXACT DIMENSIONS of old holder.

Please specify *whether kits are wanted or not.*

Double Dry Plate Holders cannot be put on any camera having a carriage at the back, as this frame will not permit of a reversal of the double holders.

Eastman-Walker Roll Holders.



Patented May 5, 1885. Label Registered, 1885.

No Roll-Holder is complete without this tally to record the number of exposures made.

Fitting Roll Holders.

We can fit Roll Holders to the standard Cameras. *An extra charge* is made for this in all cases except when the holder is sold with the camera. In ordering roll holders for old cameras it is advisable to send the camera or one of the double holders to the factory to serve as a pattern. Where this is impracticable on account of distance or otherwise, give full particulars as to make and name of camera and outside dimensions.

Each Roll-Holder has the non-detachable key and Scovill patent automatic tally.

‡3¼ x 4¼.....	\$12 00	5 x 8.....	\$20 00	16 x 20.....	\$60 00
‡4 x 5.....	15 00	6½ x 8½.....	24 00	17 x 20.....	65 00
‡4¾ x 6½.....	17 50	8 x 10.....	30 00	18 x 22.....	75 00
*4½ x 7½.....	20 00	10 x 12.....	36 00	20 x 24.....	80 00
5 x 7.....	20 00	11 x 14.....	42 00	25 x 30.....	85 00
‡5 x 7½.....	20 00	14 x 17.....	50 00		

Price of Automatic Tally, \$3.00 extra.

* This size is made for 5 x 8 Cameras that are too small for our regular 5 x 8 holder, viz.: Scovill's '76, and Waterbury. † English sizes. ‡ Visible indicator only.

All sizes of Roll Holders up to and including 11 x 14 carried in stock. Larger sizes to order.

Roll holders on Scovill Detective Cameras and all roll holders sent out from the American Optical Co., with or without cameras, have the American Optical Co. Automatic Tally fitted to them.

Roll Holders.—EXTRA PARTS.

All parts of Roll Holders are made interchangeable, and any part can be furnished on application.

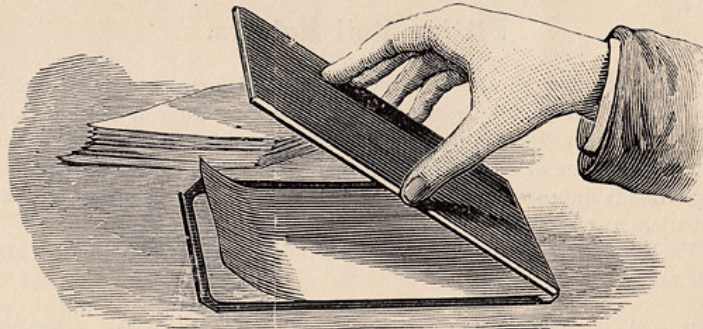
Extra Keys, old model.....25 cts each.

EXTRA REELS.

3¼ inches.....50 cts.	11 inches.....\$1 00
4 ".....50 "	14 ".....1 00
4½ ".....50 "	16 ".....1 25
4¾ ".....50 "	17 ".....1 25
5 ".....50 "	18 ".....1 25
6½ ".....75 "	20 ".....1 50
8 ".....75 "	25 ".....2 00
10 ".....75 "	

Extra Reels enable the operator to remove the exposed paper from the roll holder without separating the exposures or rewinding the paper film, an operation that should always be avoided. Enough extra reels should be provided to carry all exposures that are intended to be made before developing. For instance, if 100 exposures are to be made on a trip, 3 extra reels are required. Each reel, as soon as full, is removed from the holder and replaced by another to take the paper from a fresh spool. The boxes in which the spools are sold serve to store the reels of exposed paper. Empty spools are thrown away.

Film Carriers.



Patented May 5, 1885.

	$\frac{3}{8}$ in. thick.	$\frac{1}{2}$ in. thick.	$\frac{5}{8}$ in. thick.	$\frac{3}{4}$ in. thick.	$\frac{7}{8}$ in. thick.	$\frac{1}{2}$ in. thick.
3¼ x 4¼..	\$0 25	\$0 25	—	8 x 10..	\$0 50	\$0 50
4 x 5 ..	30	30	—	10 x 12..	—	60
4¾ x 6½..	30	—	—	11 x 14..	—	75
5 x 7 ..	35	—	35	14 x 17..	—	1 00
5 x 7½..	35	—	—	16 x 20..	—	\$1 25
5 x 8 ..	35	35	35	18 x 22..	—	1 50
6½ x 8½..	40	40	40	20 x 24..	—	1 75

Sizes not mentioned are not made and cannot be furnished.

In ordering carriers specify which thickness is wanted. The thicker the carrier the more rigid.

Double Holders that have the plate slide in from the end require the thinnest carrier, ($\frac{3}{8}$).

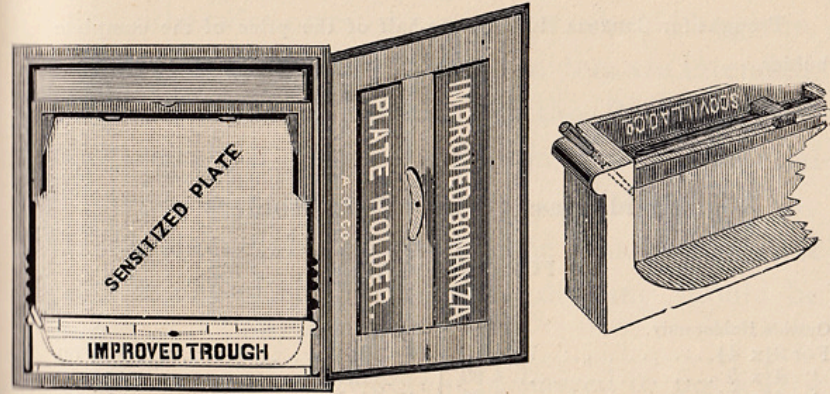
The Daisy Holder will take the $\frac{1}{2}$ inch carriers when the septum is removed. As the carriers are opaque, the septum is not required.

Wet Plate Holders require the $\frac{3}{8}$ carriers.

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 merit, 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 BONANZA HOLDERS.

1-4	\$4 25	10 x 12.....	\$16 00
1-2	6 40	11 x 14	21 50
4½x6½.....	8 00	14 x 17.....	24 00
5x7.....	8 50	17 x 20.....	27 50
4-4	9 60	20 x 24.....	35 75
8 x 10.....	10 50	25 x 30.....	44 00

Bonanza Holder for Cincinnati Camera with Rabbet Kits..\$12 75

“ “ Multiplying “ 12 75

Troughs for Bonanza Holders one-half of the price of the complete holder.

Solid Glass Corner Plate Holders

FOR WET PLATES.

Outside Holder only.	Price.	Outside Holder only.	Price.
For 3½x 4½.....	\$4 40	For 10x12.....	\$11 00
“ 4 x 5	4 80	“ 11x14.....	13 40
“ 4½x 5½.....	5 00	“ 14x17.....	16 80
“ 4½x 6½.....	5 50	“ 17x20.....	19 50
“ 5 x 7	6 25	“ 18x22.....	22 00
“ 5 x 8	6 50	“ 20x24.....	24 00
“ 6½x 8½.....	7 30	“ 25x30.....	32 00
“ 8 x10	8 50		

Kits extra ; see price list on opposite page.

5x8 Solid Glass Corner Holder for Stereo. Camera..... \$4 50

Directions for Ordering

◀ PLATE HOLDERS ▶

In ordering Holders, parties should send their OLD Holder as a sample IF POSSIBLE, to avoid mistakes, otherwise OUTSIDE DIMENSIONS should be given, and style of Camera for which Holders are intended, whether Portrait or Imperial, as the Portrait Holders have rabbet around the margin, and the Imperial Holders do not require this. The focus of the Holder should also be given if the Camera was not made at one of our factories, or drawing should be furnished.

It is necessary, where it is desired to put a Dry Plate Holder on a Camera adapted previously for a Wet Plate Holder, to send on the Ground Glass Frame, so that the focus may be adjusted for both Holders. A Wet Plate Holder in use has more or less of silver solution adhering to it, and should not be used for dry plate work, because the silver is quite liable to get on the gelatine plate and to mar the picture.

In ordering Holders for View Cameras, it is necessary, if the old Holder cannot be sent as sample, to give outside dimensions—the focus—and whether Holder should set on pins or slide in a carriage.

After reading directions on the other side, give

ORDER FOR HOLDER.

Please make _____ Holder to match sample.

If this cannot be spared

STATE STYLE DESIRED.	{	Bonanza Holder, - - -	}	for _____
		Solid Glass Corner Holder,		plates, _____
		Rabbeted Holder,		for _____
				Ferro _____
				plates, _____
		Waterbury Adjustable Holder,		_____
STATE WHETHER	{	Daisy Double Holder, - -	}	for _____
		Scovill Patent Double Holder,		dry _____
				plates, _____
		Flammang Single Holder, -		_____
STATE WHETHER	{	Plain or _____	}	_____
		Rabbeted around edge _____		_____
		To slide in carriage or _____		_____
STATE WHETHER	{	To set upon pins _____	}	_____

Give outside dimensions:

Height _____ Width _____ Focus _____

If the Camera was not made by us send drawing, as we do not know how such Holders are attached to Camera.

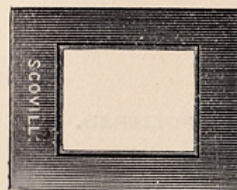
DIRECTIONS FOR ORDERING EXTRA BELLOWS.

Please give outside dimensions of the front and back *frames*—not the rubber folds—and the length when extended.

When ordering extra front (Lens) boards for any Camera, it is essential that outside size be given.

Solid Glass Corner Kits.

Outside Measurement in inches.	SIZE OF OPENING.																
	$\frac{1}{8}$ size.	$\frac{1}{4}$ size.	$3\frac{1}{4} \times 4\frac{1}{4}$ inches.	4x5 inches.	$4\frac{1}{4} \times 5\frac{1}{2}$ inches.	$4\frac{1}{4} \times 6\frac{1}{2}$ inches.	5x7 inches.	5x8 inches.	$6\frac{1}{2} \times 8\frac{1}{2}$ inches.	8x10 inches.	10x12 inches.	11x14 inches.	14x17 inches.	17x20 inches.	18x22 inches.	20x24 inches.	
$4\frac{1}{4} \times 4\frac{1}{4}$	.58	.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 x 564	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$4\frac{1}{4} \times 5\frac{1}{2}$66	.64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$4\frac{1}{4} \times 6\frac{1}{2}$68	.66	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5 x 770	.68	.66	.64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5 x 876	.74	.72	.70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$6\frac{1}{4} \times 8\frac{1}{2}$88	.86	.84	.82	.80	.....	.....	.....	.....	.....	.....	.....	.....	.....
8 x 10	1.00	.98	.96	.94	.92	.90	.....	.....	.....	.....	.....	.....	.....
10 x 12	1.80	1.20	.....	.....	.....	.....	.....	.....
11 x 14	1.40	1.30	1.20	.....	.....	.....	.....	.....
14 x 17	1.88	1.80	1.76	.....	.....	.....	.....
17 x 20	1.96	.....	.....	.....
18 x 22	2.40	2.25	.....
20 x 24	2.60	2.44	2.30
25 x 30	3.80



Rabbet Kit Frames

FOR WET OR DRY PLATES.

OUTSIDE MEASUREMENT. ANY OPENING.

4 x 5	.....	\$0 28	$6\frac{1}{2} \times 8\frac{1}{2}$	.....	\$0 34
$4\frac{1}{4} \times 5\frac{1}{2}$	.....	29	8 x 10	.....	40
$4\frac{1}{4} \times 6\frac{1}{2}$	.....	30	10 x 12	.....	60
5 x 7	.....	31	11 x 14	.....	66
5 x 8	.....	32	14 x 17	.....	80

When ordering please specify whether Rabbet Kits are wanted for wet or dry plates on account of difference in thickness.

Brass Plates

WITH HOLES CUT AND THREADED

	Each.
For 4 one-ninth Darlot Gem Lenses.....	\$1 00
“ 9 “ “ “	1 80
“ 4 one-quarter “ “	1 30

Lever Focusing Attachments.

	Each.
For Cameras 8x10 size and smaller.....	\$5 00
“ “ above 8x10 size to 25x30 inclusive.....	6 00

Diaphragms, Blocks, &c.

	Diaphragms.	Blocks for Lenses.
For No. 153, 1-2 New York Gem Camera.....	\$0 90	\$1 35
“ 11, 1-2 Gem Camera.....	90	1 35
“ 154, 1-4 “	90	1 35
“ 155, 1-2 “	90	1 35
“ 156, 4-4 “	1 80	1 80
“ 157, 4-4 “	1 80	1 80
“ 22, 4-4 Imperial Camera.....	1 35	1 80
“ 23, 8x10 “	1 35	1 80
“ 24, 10x12 “	1 80	1 80
“ 25, 8x10 Multiplying Camera.....	9 00	1 80
“ 21 or 21a Victoria Camera.....	2 70	1 80
For Cincinnati Cameras.....	2 00	1 80

Front Boards.

MADE OF SPANISH MAHOGANY, FINELY POLISHED.

	Fractional sizes priced at next higher even size.		
2x2 in.....	\$0 32	8x 8.....	\$1 25
3x3 in.....	40	9x 9.....	1 50
4x4 in.....	50	10x10.....	1 80
5x5 in.....	60	12x12.....	2 00
6x6 in.....	75	14x14.....	2 40
7x7 in.....	1 00		

Plain fronts, not polished, one-half above list.

Sliding fronts for '76, Philadelphia, or Model Stereoscopic Cameras..\$1 20
 Plain front for “ “ “ “ .. 60

Ground Glass without Frames.

SELECTED CLEAR CRYSTAL PLATE GLASS, FINELY GROUND, FOR ACCURATE FOCUSING.

Size of Glass.	For Portrait Cameras.	Per Light.	For View Cameras.	Per Light.
4¼ x 4¼	— 3¼ x 4¼	\$0 18	3¼ x 4¼	\$0 18
5 x 5	— 4 x 5	20	4 x 5	20
5½ x 5½	— 4¼ x 5½	22	4¼ x 5½	22
6½ x 6½	— 4½ x 6½	36	4½ x 6½	33
7 x 7	— 5 x 7	37	5 x 7	34
8 x 8	— 5 x 8	45	5 x 8	40
8½ x 8½	— 6½ x 8½	50	6½ x 8½	45
10 x 10	— 8 x 10	75	8 x 10	68
12 x 12	— 10 x 12	1 10	10 x 12	1 00
14 x 14	— 11 x 14	1 50	11 x 14	1 35
17 x 17	— 14 x 17	2 15	14 x 17	1 80
20 x 20	— 17 x 20	3 00	17 x 20	2 70
22 x 22	— 18 x 22	3 60	18 x 22	3 60
24 x 24	— 20 x 24	4 30	20 x 24	4 30
30 x 30	— 25 x 30	6 75	25 x 30	6 75

Plain Ground Glass.

STANDARD QUALITY.

Size.	Per Light.	Size.	Per Light.
3¼ x 4¼	\$0 16	5 x 7	\$0 25
4 x 5	18	5 x 8	28
4¼ x 5½	20	6½ x 8½	42
4½ x 6½	22	8 x 10	56

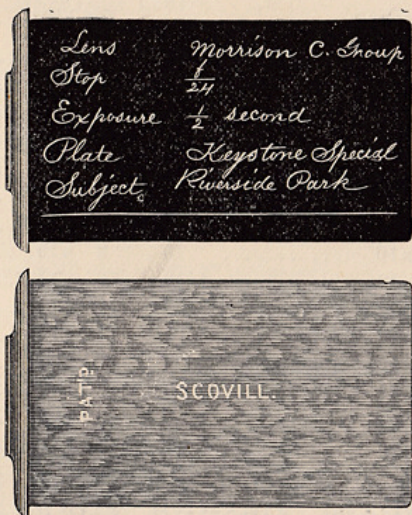
SUNDRY PIECES.

	Holder Slides.	Focusing or Adjusting Screws. (Not Lever Pattern.)
1-4 Plate Camera.....	\$0 27	\$2 25
4x5 “	32	2 25
5 “	34	2 25
4¼ x 6½ “	36	2 25
5x7 “	38	2 25
5x8 “	40	2 25
6½ x 8½ “	45	2 25
8x10 “	72	2 70
Cincinnati Camera.....	72	3 00
10x12 “	1 35	2 70
11x14 “	2 02	2 70
14x17 “	2 25	4 50
17x20 “	2 70	4 50
18x22 “	3 15	4 50
20x24 “	3 60	4 50
25x30 “	5 40	4 50

FOR INDIA RUBBER SLIDES add 40 per cent. to list prices of Regular Slides.

REGISTERING SLIDES.

(PATENTED.)



Extract from "PHOTOGRAPHIC TIMES," March, 1884.

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

"Have I or have I not exposed that plate?"

"If exposed, was the plate used for that prized picture?"

"Shall I incur the risk of making a double exposure?"

henceforth will have themselves only to find fault with if they do not procure and use in their dry-plate holders registering slides, or as they have been called "Record Slides." These can be written upon with slate or lead pencil *ad libitum*, and the writing erased without injury to them. 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 pencilled 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 impervious to water, and is so hard that they outlast common paper slides in the proportion of five to one. They will be supplied with new American Optical Co.'s Dry Plate Cameras and Amateur Outfits up to 10x12 size without addition to present price list. Additional Holder Slides of this kind supplied at the following prices:

PRICE REGISTERING SLIDES.			
Size for	Each.	Size for	Each.
3½x4½	\$0 18	5 x 7	\$0 35
4 x 5	20	5 x 8	40
4½x5½	24	6½x 8½	55
4½x6½	28	8 x10	75

Registering Slides not made above 8x10 size.

American Optical Co.'s Patent Dry Plate Changing Box, with Special Plate Holder, for Field Photography.

Manufactured from the Best Mahogany, very Highly Finished, with Brass Mountings.

This Dry Plate Box is acknowledged by competent judges to be the best arrangement for transferring prepared plates from the plate box to the camera in the open air. It can be adapted to any camera, and made to contain any number of plates.

The essential part of this apparatus consists in the box for holding the plates and the shield for exposing them.

DIRECTIONS FOR USE.

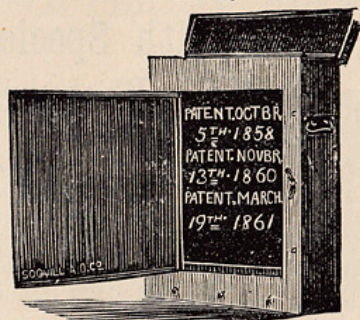
In filling the Dry Plate Changing Box with prepared plates, care must be used to have the film side toward the front. To transfer a plate from the changing box, set the shield on the dowel-pins of the sliding platform—same as an ordinary holder is set on a camera box during the exposure of the plate—push the shield and sliding platform forward until they are opposite the proper place in the box, when they become fast over the opening through which the plate passes. Turn the box and shield nearly upside down—say at an angle of forty-five degrees—and let the plate slide gently into the shield. Turn the cross-bar of shield around at right angles, thus securing the plate. Draw the shield and sliding platform backward to the first position, and the shield becomes disengaged from the changing box, which becomes closed by the same motion.

No. 1.	To hold twelve 4-4 or 4 x 5 prepared plates, with shield.	\$33 00
" 2.	" eighteen " " "	35 00
" 3.	Stereoscopic, to hold twelve 5 x 8 prepared plates, with shield.	35 00
" 4.	" eighteen " " "	37 00
" 5.	Landscape, " twelve 6½ x 8½	45 00
" 6.	" " " " 8 x 10	55 00

Larger sizes made only to order.

NOTE.—An ordinary plate holder will not work in connection with a dry plate changing box. One must be specially designed and made for use on the camera, and with attachments to work very accurately in conjunction with those on the changing box.

Patent Glass Baths for Gallery or Field Photography.



These Baths are already so universally known by the profession that it is almost unnecessary to call attention to their claims for superiority over all others in use.

The interior being manufactured almost entirely of glass, they will contain the silver solution in a perfectly pure state for any length of time, yet, on account of being cased in wood, they are the strongest bath in the market, and are the style generally used in large galleries.

They are furnished with a hinged cover, so that the silver solution is protected from dust, etc., except when a plate is being dipped or removed.

The front of each bath is paneled, so that when the shutter is removed the bottom may be examined as to its freedom from sediment, a convenience which every other make of bath should possess, and of absolute importance in hot weather or tropical climates.

The same sizes are also manufactured with an improved water-tight cover for field photography, and, when so arranged, can be transported filled with the solution without any danger of leaking, thus saving all the trouble of removing it from the bath when not in *actual* use, a very great convenience possessed by no other make.

No. o.	To receive a Plate.	Water-tight Top for Field.	To receive a Plate.	Water-tight Top for Field.
1.	4 x 8 inches.	\$10 00	\$13 00	
2.	6½ x 8½ "	10 00	13 00	
3.	8 x 10 "	12 00	15 00	
4.	10 x 12 "	20 00	25 00	
5.	11 x 14 "	23 00	28 00	
6.	14 x 17 inches.	\$35 00	\$42 50	
7.	17 x 20 "	48 00	56 00	
8.	18 x 22 "	60 00	67 00	
9.	20 x 24 "	70 00	80 00	
10.	12 x 26 "	75 00	85 00	

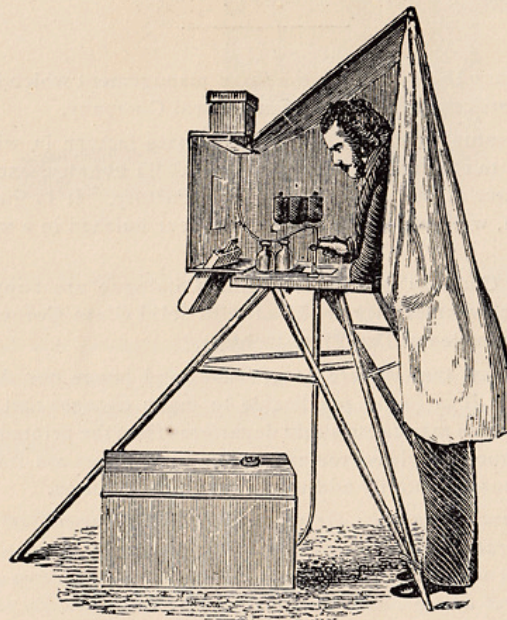
Larger sizes manufactured to order.

Boxes for the Protection of Solid Glass Baths.

	Studio Box.	Tight Top Box for Field Service.		Studio Box.	Tight Top Box for Field Service.
For 4 x 5 Bath.	\$1 60	\$4 75	For 11 x 14 Bath.	\$3 60	\$6 75
" 5 x 7 "	1 65	4 80	" 12 x 16 "	3 70	7 00
" 7 x 9 "	1 80	5 00	" 16 x 20 "	4 25	7 75
" 7 x 10 "	2 00	5 20	" 18 x 24 "	4 50	8 50
" 9 x 12 "	2 60	5 75	" 20 x 26 "	4 75	10 00

In ordering the above Boxes for Baths in use, the outside measurements are required, because Baths vary so much in pattern and thickness.

American Optical Co.'s Dark Tent for Outdoor Work.



Very light, durable and portable. The box carrying the tent and forming part of same, together with the reservoir and developing tray for 11 x 14 plates. It is mounted on a light tripod stand, and is in every way desirable for outdoor work. \$75 00

Larger sizes made to order.

THE SCOVILL
NEW HAVEN FACTORY.

THIS Factory is now under the same management which has made so great a success of the American Optical Company.

The apparatus which is constructed at this factory is, without question, superior to that made anywhere else in this country, excepting only what we produce at our American Optical Factory. It is guaranteed to be substantial, well made, and in every respect finished in a workmanlike manner.

All of the Cameras described in this Catalogue are supplied at the same list price, whether they are fitted with Solid Glass Corner, Bonanza, or either of the styles of Dry Plate Holders.

It is our boast that we are progressive, and hence our Apparatus is improved when it is found practicable to make changes that are real improvements. This may cause slight departure from the printed description in this Catalogue, but please remember that all changes are for the better, and that we thus voluntarily add to the cost of production.

We beg leave to emphasize the suggestion, that customers, by giving their orders for apparatus before they are actually in want, will favor us greatly and spare themselves annoyance from delays, which in our busiest season are sometimes unavoidable, and at the same time we can give better satisfaction and more attention to their commands.

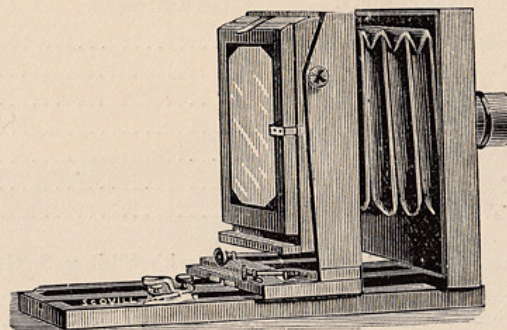
Dealers in photographic stock throughout this and foreign countries keep our apparatus on hand, but photographers failing to find it where they are accustomed to purchase may send their orders direct to the manufacturers.

To insure attention, all orders for special apparatus must be accompanied by a remittance, covering one-third of the amount of proposed purchase.

Our apparatus is packed with the utmost care by experienced and careful packers, hence we assume no responsibility for breakage or damage in transportation.

SCOVILL MANUFACTURING CO.,

Peerless Portrait Cameras.



These Cameras are manufactured in the most substantial manner from the best of mahogany, with telescopic bed, lever focusing attachment, cone bellows, and are handsomely finished. They are supplied with Solid Glass Corner or other styles of Wet and Dry Plate Holders, and are in every respect superior to all other makes, excepting the American Optical Company's.

			Double Swing Back.
8 x 10	Peerless Portrait Camera	.....	\$37 00
10 x 12	“ “	.....	45 00
11 x 14	“ “	with extension bed.....	60 00
14 x 17	“ “	“ “.....	70 00
17 x 20	“ “	“ “.....	84 00
18 x 22	“ “	“ “.....	90 00

Peerless Imperial Cameras.

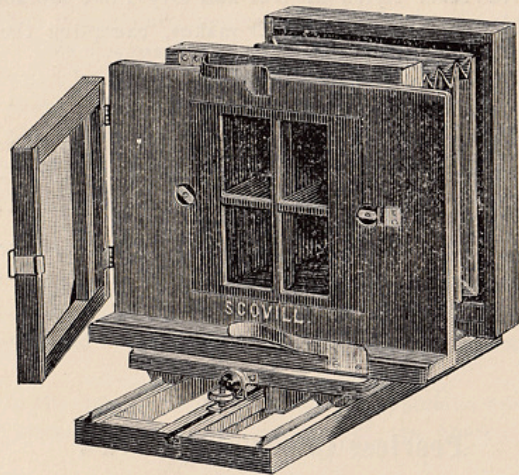
			Double Swing-Back.
8 x 10	.....		\$35 00
11 x 14,	with 8 x 10 Holder and Attachment	.....	80 00
14 x 17,	“ “	.....	95 00
17 x 20,	“ “	.....	115 00

Acme Standard Portrait Cameras.

These Cameras are made of selected black walnut, solid bed, and are supplied with rubber bellows, swing ground glass, focus rack, reversible shield and solid glass corners.

1-4 Reversible Portrait Cameras.....	\$8 00
1-2 " " " "	10 00
4-4 " " " "	14 00
8 x 10 " " " "	20 00
10 x 12 " " " "	25 00
11 x 14 " " " "	35 00
14 x 17 " " " "	45 00
6½ x 8½ Acme Standard Portrait Camera, with Sliding S. G. Cor. Holder.....	\$19 00
8 x 10 Acme Standard Portrait Camera, with Sliding S. G. Cor. Holder.....	27 00

Acme 5x7 Standard Victoria Cameras.

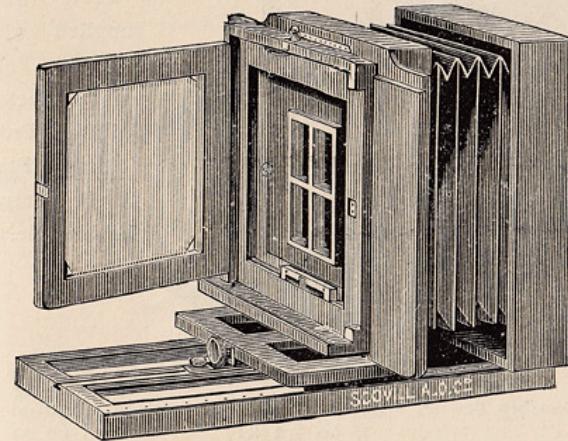


Without Lenses.....	\$18 00
With four ¼ Lenses on a brass plate.....	35 00

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 "Multiplying Victoria Camera." Price, without Lenses.....\$25 00.

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

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.

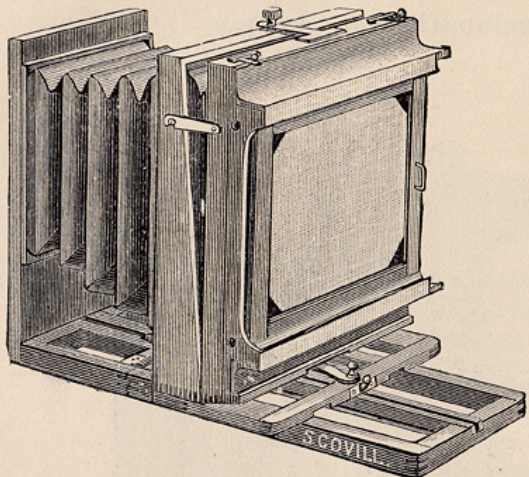
	Unfitted.	Fitted with Four 1-4 Gem Tubes.
Plain (without Carriage or Swing).....	\$24 00	\$41 00
*Carriage Movement.....	28 00	45 00
*Single Swing.....	28 00	45 00
*Double Swing.....	33 50	50 00

*These Cameras may be fitted with Bonanza Holders.

VIEW CAMERAS.

Acme Reversible-back View Cameras,

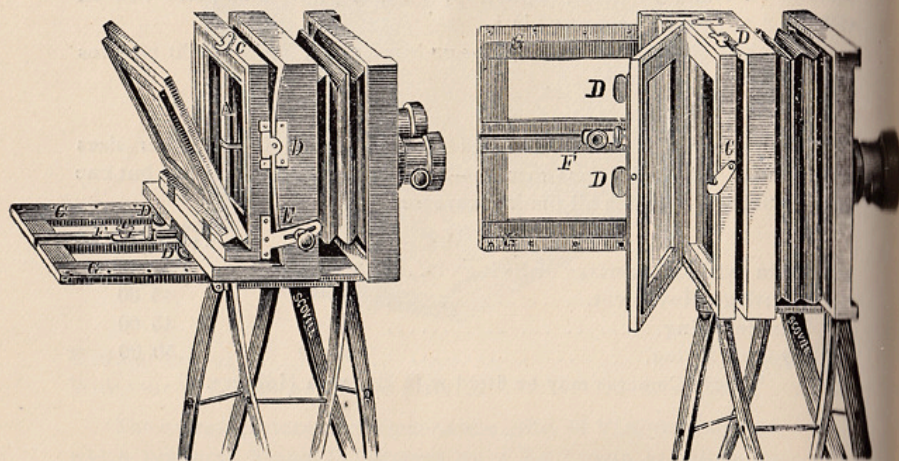
(PATENTED.)



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

	Single Swing	Double S'w'g-b'k.		Single Swing.	Double S'w'g-b'k.
6½ x 8½ reversible,	\$29 00	\$33 00	11x14 reversible...	\$50 00	\$55 00
8 x 10 "	34 00	38 00	14x17 "	60 00	65 00
10 x 12 "	40 00	45 00	17x20 "	70 00	75 00

The Philadelphia Stereo. Camera.



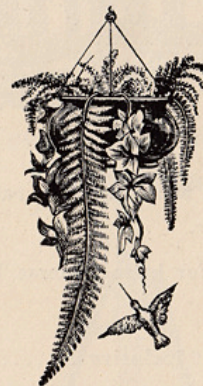
This Camera is so arranged that the center diaphragm may be removed, the front changed and, with one tube, vertical or horizontal *single* views may be made with it, as well as all classes of stereoscopic views.

The first illustration represents the camera as it is used for ordinary stereoscopic work. It is a perfect piece of workmanship—beautiful, strong

and light—combining all the little neat parts that go to making up a fine piece of apparatus. It has rubber bellows. The platform is hinged so that it may fold up compactly; the focusing cam enables one to focus exactly and quickly; the swing-back, which is indispensable for landscape work, is attached; the front raises and lowers, and the holder is made to fit on dowel pins, which arrangement is far preferable to sliding the holder. The ground glass is hinged fast. The second figure represents the camera turned over on its side for the purpose of making an upright single view with one tube. The partition or diaphragm (*A*) is removed, so the plate is not obstructed or divided; *C* is a clasp which holds the holder in place when the exposure is being made, and at *E* is a clasp and screw which keeps the holder at a proper swing or angle when it is necessary to use the swing-back. *DD* are screws which bind the platform to the camera when in use.

For stereo. and single views, reversible, for plates 4x7, 4x8, or 5x8

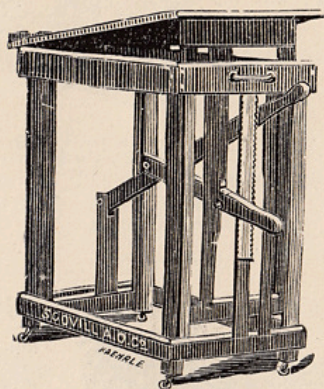
Single swing-back.....\$20 00



CAMERA STANDS.

We have been induced by the demand for a better class of Camera Stands than have heretofore found their way into the market, to introduce several new styles, combining solidity (being perfectly free from vibration) with portability and ease of adjustment, as the camera can be inclined at any angle with great celerity.

Lever Adjustment Gallery Stand.



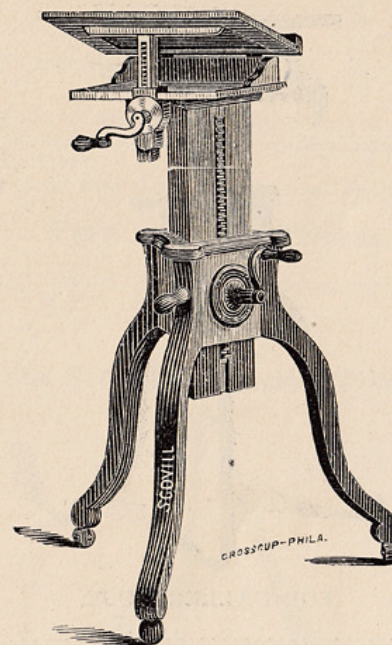
Manufactured with brass mountings and patent lever adjustment, *also with pocket to hold Plate Holder.*

The only stand suitable for large cameras, being portable, easily adjusted, and of great solidity.

- No. 5.—For all sizes to 8 x 10 inclusive\$15 00
- No. 6.— “ “ “ “ 17 00
- No. 7.—Combining in one a stand for all sizes from 8 x 10 to 11 x 14. 19 00
- No. 7½.—Combining in one a stand for all sizes from 11 x 14 to 20 x 24 inclusive..... 28 50

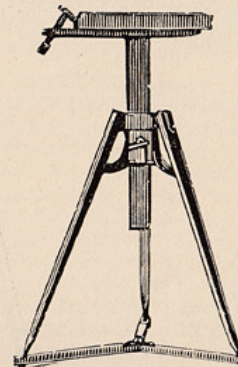
The above Gallery Stands will be found light and easily moved, yet perfectly free from vibration. The adjusting levers are so arranged that the stand may be made level at any desired height and then depressed.

The Perfect Camera Stand.



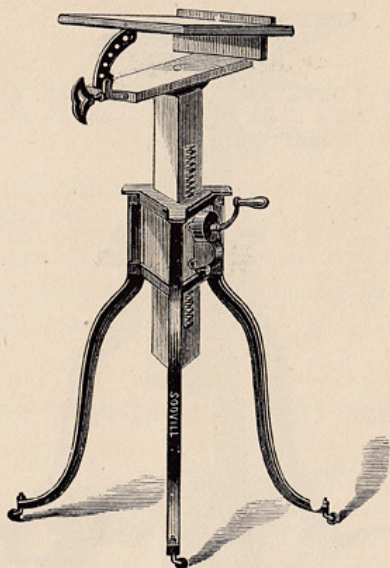
- No. 5.—The “ Perfect ” Camera Stand has been manufactured for several years, and is, as it has been justly called, a “ Perfect ” Camera Stand, made of finely polished black walnut and best of metal castings. It has superior advantages for cameras up to 10 x 12 size. Price, with Plate Holder Pocket.....\$16 00

S. P. C. (Iron Centre) Excelsior Camera Stand.



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

The Acme Camera Stand.

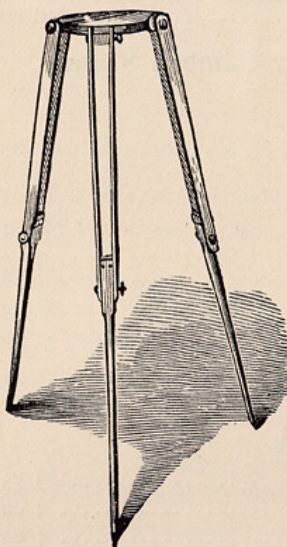


FOR GALLERY USE.

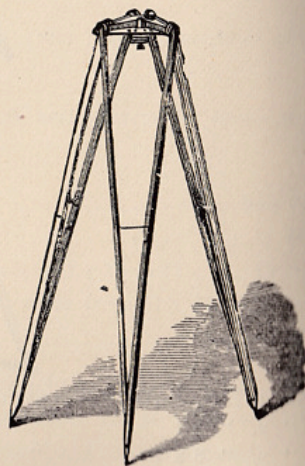
- No. 1.—1-2 and 4-4.....\$8 00
- No. 2, with Plate Holder Pocket, 8 x 10 and 10 x 12..... 12 00

Peerless Folding Tripods for Field Photography.

Manufactured from selected second growth ash, with brass mountings and folding legs, which makes them very light and portable; yet they are perfectly firm and rigid when extended for use.



Wood Top.



Metal Top.

- No. 1. Peerless Stereoscopic, double jointed legs, 6 in. wooden top, \$2 85
- " 2. " " " " " " 12 " " 4 75
- " 3. " " " hinged legs, 12 " " 5 70
- " 4. " " " " " " 11 metal top, 9 50
- " 5. " " Six foot, rigid legs, 12 wooden top, 6 00
- " 6. " " " " " " 15 " " 8 00

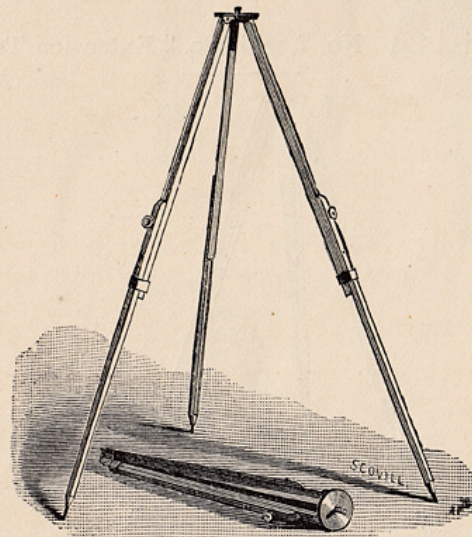
The above tripods are so constructed that they can be easily taken apart for packing, and yet can, when in use, be made as stiff and solid as though carved from a solid block.

Rigid Tripods of the same style as the above supplied at the same list prices.

Parts of above Tripods.

		Each.			Each.
Single leg for No. 1	Tripod..	\$0 95	Single top for No. 1	Tripod..	\$0 72
" " 2 & 3	" ..	1 18	" " 2	" ..	1 18
" " 4	" ..	1 42	" " 3	" ..	1 18

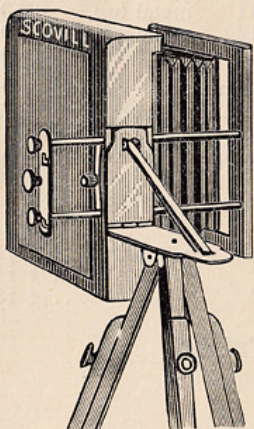
The Scovill Extension Tripod.



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 to 4 x 5 cameras, each..... \$3 00
- " 2.—" 5 x 8 cameras, each..... 3 25
- " 2½.—" " " with brass circle for camera..... 3 75
- " 3.—" 6½ x 8½ cameras, each..... 5 00

Patent Camera Reversing Attachments.

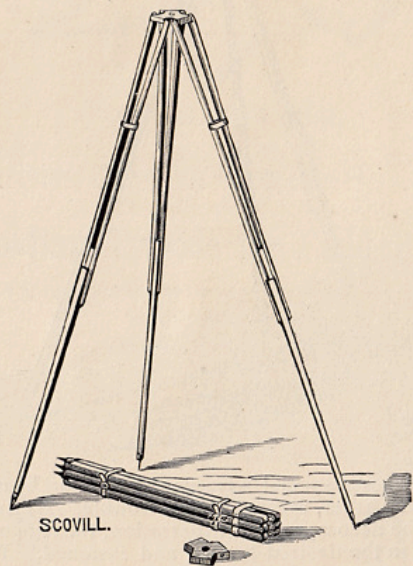


These Attachments are fixed to the top of Extension Tripods.

No. 0, with No. 1 Extension Tripod, and Camera Bed Plate \$4 80

No. 1, with No. 1 Extension Tripod, 5 00

No. 2, with No. 2 Extension Tripod, 5 50



The Scovill Adjustable Tripod.

(FEATHER WEIGHT.)

Nothing more compact, certainly nothing as graceful in appearance and light in weight as the new Tripod for out-door photography, just produced by the American Optical Company, has yet made its appearance. Because so readily adjusted to the utmost irregularity of the earth's surface, it was decided to call it "The Adjustable Tripod." Lady amateurs prefer it to any other pattern on account of its lightness and beauty. The top is covered with billiard cloth to prevent marring the fine polish on our cameras, and the screw is not detachable. No. 1, price, \$3.50 each. No. 2, price, \$5.00.

LATEST.—The Scovill Adjustable Jointed Tripod, to fold and carry in a valise, \$4.00. Same with Canvas Bag and Handle, \$4.75.

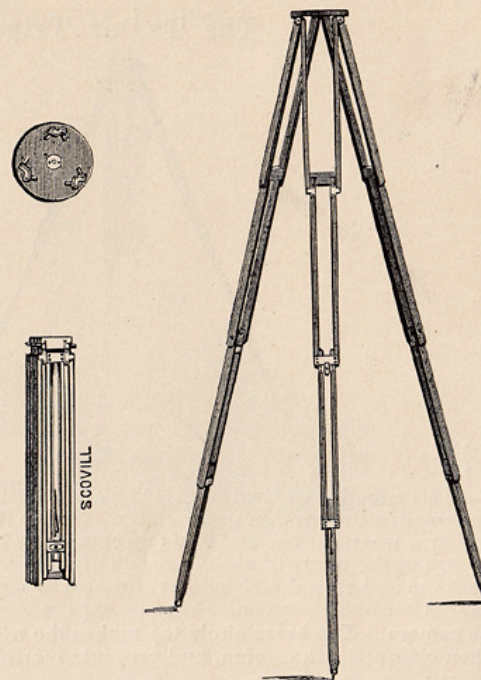
The Daisy Tripod.

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

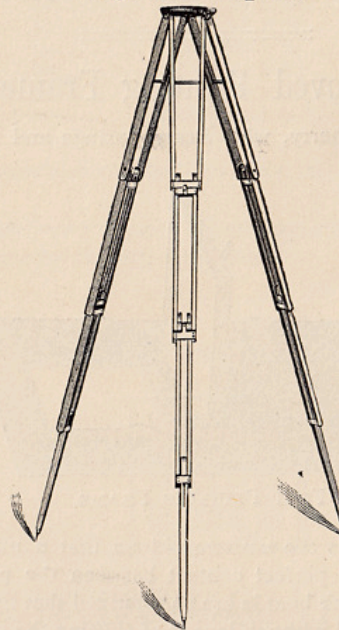
Length, when folded, 16½ inches.

Weight, 2 lbs.

Price, \$5.00.

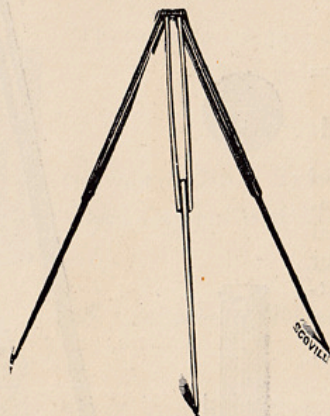


Mignon Tripod.



This Tripod weighs only 2 lbs. 2 ozs., and measures but 17 inches when folded.....Price, \$5 00

The Taylor Tripod.



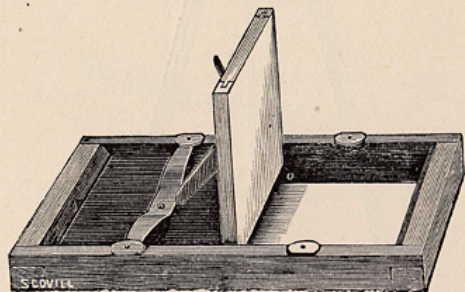
This tripod is of English origin. The illustration here presented makes an extended description unnecessary. Suffice it to say that this tripod is very firm when set up, and folds up compactly by simply pressing together the two upper joints of each leg, thus unsetting them from the pins on the brass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

Price, each.....\$2 25

Adapted for cameras from 1-4 to 8 x 10 size.

Improved Printing Frames.

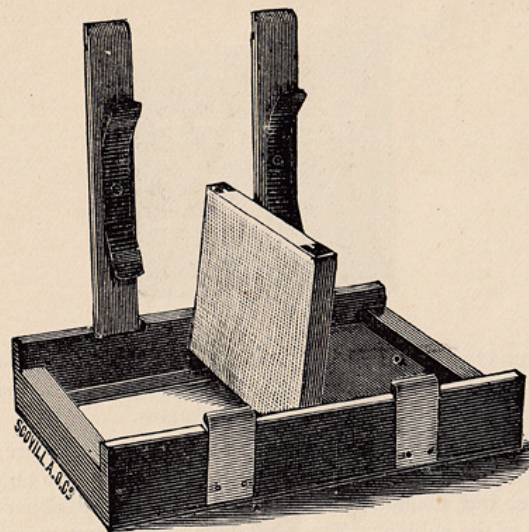
Manufactured of cherry, with Brass Springs and Paneled Backs, a very superior article.



FLAT PRINTING FRAME.

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

Printing Frames.



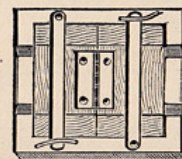
DEEP PRINTING FRAME.

For Plates.	Flat.	Deep.	For Plates.	Flat.	Deep.
3½ x 4½.....	\$0 36.....	\$1 00.....	13 x 16.....	\$2 05.....	\$2 75.....
4 x 5.....	38.....	1 00.....	14 x 17.....	2 45.....	3 00.....
4½ x 5½.....	40.....	1 00.....	16 x 20.....	4 50.....	3 75.....
4½ x 6½.....	42.....	1 00.....	17 x 20.....	4 50.....	4 75.....
5 x 7.....	50.....	1 00.....	18 x 22.....	5 00.....	5 25.....
5 x 8.....	52.....	1 00.....	20 x 24.....	5 50.....	5 50.....
6½ x 8½.....	60.....	1 75.....	24 x 30.....	.....	9 00.....
8 x 10.....	75.....	1 88.....	35 x 45.....	.....	16 00.....
10 x 12.....	1 00.....	2 00.....	30 x 60*.....	.....	22 00.....
11 x 14.....	2 00.....	2 50.....			

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

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

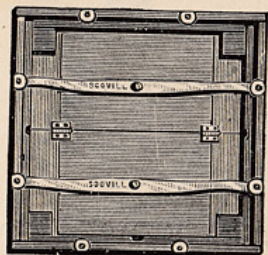
New York Printing Frame.



This Frame was made in consequence of a demand for such a pattern, combining lightness and strength. 1-4 size, price, each....\$0 50

8x8..... 70

Atwood's Patent Reversible Printing Frame.



This frame is square, and just as it is shown in the accompanying illustration. It is made with double corners, and in utility combines the action of the regular and the lengthways printing frames.

It will be seen that the back also of this frame is square, with small blocks cut out to fit the corners, thus allowing the back to be placed upon the negative so that the springs and hinges will extend either lengthways or crossways of the subject. The advantage of this action will easily be perceived.

Suppose the negative of a standing figure to have been placed in the Atwood Frame, and the back put in with the springs parallel to the length of the subject. Either half of the back board can be opened and thrown over on the other, in this manner allowing such an examination of the print as to show a view from the head to the foot.

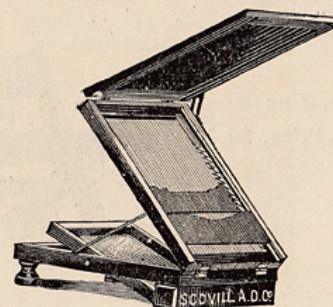
Again, in printing from a group negative, the back of the Atwood Frame can be placed to open crossways of the negative, thus giving an opportunity, when examining the print, of seeing all the faces.

In printing a landscape where cloud negatives are used, and the back has been set in the manner just described, it is possible to contrast the sky with the other features of the view on the print.

There is no reason why prints from two 5 x 8 negatives of different subjects may not be made at one time in an 8 x 10 Atwood Frame. Other good uses will be apparent, and we need not enumerate them. The back can be made to open two-thirds, instead of at the centre, where so desired and ordered.

Size for $\frac{1}{2}$ negatives, each.....	\$0 75
" 4-4 " "	90
" 8 x 10 " "	1 20
" 10 x 12 " "	1 60
" 11 x 14 " "	2 75
" 14 x 17 " "	3 50

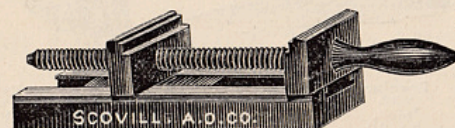
Retouching Frames.



- No. 1, for 1-4 to 8 x 10 negatives, black walnut \$3 75
 - " 2, " 1-4 to 11 x 14 " " 7 50
- They have a drawer and all the modern improvements.

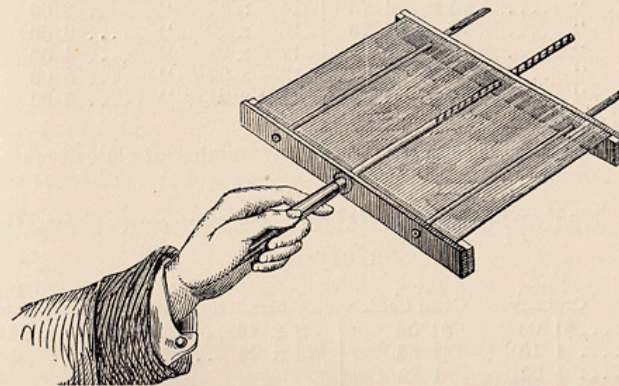
Plate Vises for Holding Glass when being Polished.

Manufactured in Hard Wood, with Improved Screw Adjustment.



- No. 1.—For holding 1-9 to 8 x 10 plates, with best quality of screw, price, each, 50 cents.

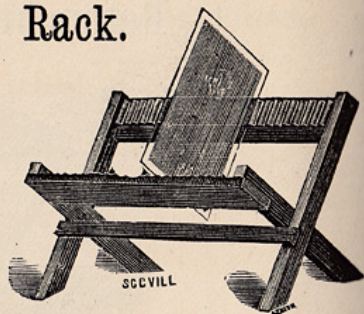
Extra Sizes and Quality.



- No. 2.—For plates from 1-9 to 4-4..... \$3 80
- " 3.— " " 4-4 to 17 x 20..... 5 70

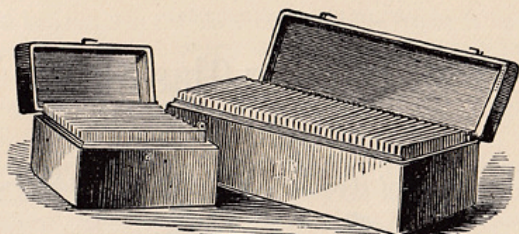
Negative Rack.

With either Wood or Zinc
Corrugation.....Price, \$0 50



Negative Boxes.

Manufactured from Whitewood, with Hinged Cover. A Very Superior Article.



For holding 24 Plates.			For holding 24 Plates.		
	Regular with Hook.	Light Tight with Lock and Key.		Regular with Hook.	Light Tight with Lock and Key.
1-9	each....\$0 60	\$1 60	8 x 10	"....\$1 10	\$2 10
1-6	".... 60	1 60	10 x 12	".... 1 50	2 50
3 1/4 x 4 1/4	".... 62	1 62	For holding 12 Plates.		
4 x 5	".... 65	1 65	11 x 14	each.... 2 50	3 50
4 1/4 x 5 1/2	".... 70	1 70	13 x 16	".... 2 75	3 75
4 1/4 x 6 1/2	".... 75	1 75	14 x 17	".... 3 00	4 00
4 x 7	".... 75	1 75	16 x 20	".... 3 50	4 50
4 x 8	".... 75	1 75	17 x 21	".... 4 50	5 50
5 x 7	".... 85	1 85	18 x 22	".... 5 00	6 00
5 x 8	".... 90	1 90	20 x 24	".... 5 50	6 50
6 1/2 x 8 1/2	each.... 1 00	2 00			

Special sizes made to order to hold any number of plates required.

The Hallenbeck Sensitized Paper and Dry-Plate Safety-Box.

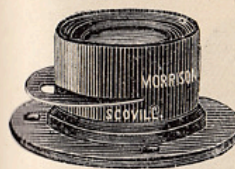
Size.	Price, Ordinary.	Price, Cedar lined.	Size.	Price, Ordinary.	Price, Cedar lined.
4 x 5	.....\$1 00	\$1 50	8 x 10	.....\$1 50	\$2 00
5 x 8	..... 1 15	1 65	20 x 24	..... 4 50	5 50
6 1/2 x 8 1/2	..... 1 25	1 75			

Subject to usual discount on negative boxes.

These boxes are provided with lock and key, and with inside lid weighted to keep paper flat.

AMERICAN LENSES. Morrison's Wide-Angle View Lenses.

Patented May 21, 1872.



These Lenses are absolutely rectilinear; they embrace an angle of fully 100 degrees, and are the most rapid, and are universally conceded to be the best wide-angle lenses made.

No.	Diameter of Lens.	Size of Plate.	Equivalent Focus.	Price.
1....	3/4 inch..	3 1/4 x 4 1/2 inch....	3 inch, each,	\$25 00
2....	1 " "	4 x 5 " "	3 1/3 " "	25 00
3....	1 " "	4 1/2 x 7 1/2 " "	4 1/4 " "	25 00
4....	1 " "	5 x 8 " "	5 1/4 " "	25 00
5....	1 " "	6 1/2 x 8 1/2 " "	6 1/2 " "	25 00
6....	1 " "	8 x 10 " "	8 " "	30 00
7....	1 1/4 " "	11 x 14 " "	10 1/2 " "	40 00
8....	1 1/4 " "	14 x 17 " "	14 " "	50 00
9....	1 1/2 " "	17 x 20 " "	17 " "	60 00
10....	1 3/4 " "	20 x 24 " "	22 " "	80 00
11....	1 3/4 " "	25 x 30 " "	28 " "	100 00

These 5 sizes will fit into 1 flange.

These 2 sizes will fit into 1 flange.

These 3 sizes will fit into 1 flange.

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

Morrison Combination Wide-Angle Lens.

Opening the velvet-lined morocco case presented to us for our inspection, we find partitioned-off space containing an ordinary 5-inch Morrison Wide-Angle Lens, on which the front and back combinations are distinctly marked with the figure 5.

Besides this, in cells, are four mountings with lenses of varying focal lengths, each marked in white with a number. By unscrewing the back combination marked 5, and putting in its place the mounting marked 6, a lens of 6-inch back focus is obtained.

Again, by removing both these cells and replacing them with the two marked 8, a lens of 8-inch back focus is the result.

By screwing in the front combination marked 5 and the back combination marked 4, a lens of 4-inch back focus is obtained.

Putting a front combination marked 8 and a back marked 6, a focus of 7 inches is produced.

Thus the operator has a choice of five focal lengths with the one lens.

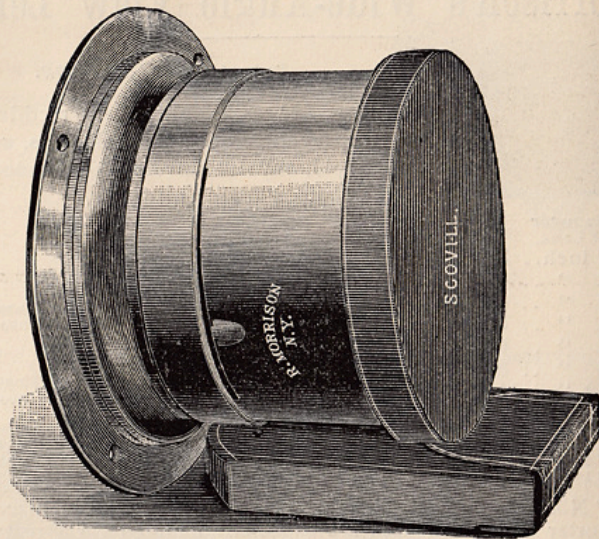
Price for Morrison Combination Wide-Angle Lens, \$80.

Morrison's Instantaneous Wide-Angle View Lenses.

With full opening, these Lenses have all the extreme depth for which the Morrison Regular Wide-Angle Lenses are noted. They work with extreme rapidity, and will cover an angle of 90 degrees sharp. Furnished with a set of diaphragms.

Diameter of Lens.	Size of Plate, Full Opening.	Size of Plate when Stopped Down.	Focus.	Price.
3/4 inch.	4x 4 inches.	5x 7 inches.	6 inches.	\$30 00
1 " "	4x 5 " "	8x10 " "	8 " "	35 00
1 1/4 " "	5x 8 " "	10x12 " "	10 " "	40 00
1 3/4 " "	8x10 " "	14x17 " "	12 " "	45 00

THE LEUKOSCOPE LENSES.



The name given to the Lenses introduced by Mr. Richard Morrison is singularly appropriate; Leukoscope indicating a *brilliant light*. These lenses work with greater rapidity than any of the so-called rapid lenses, and possess a depth of focus truly remarkable. By their agency portraits having life-size heads may be taken with sharpness and delicacy. The construction is such as to ensure equal illumination all over the plate, which cannot be effected by any lens set in a long tube and worked with full aperture. When used with a medium diaphragm they will take an instantaneous group out of doors, every figure being sharp. For copying they are unexcelled.

No.	Diameter.	Size of		Back Focus.	Equiv. Focus.	Price.
		Group.	Landscape.			
1...	4 inches.	18x22	25x30	32 inches.	34 inches.	\$180 00
2...	4 "	17x20	20x24	25 "	26 "	170 00
3...	3½ "	16x18	17x20	21 "	22 "	150 00
4...	3 "	11x14	14x17	18 "	19 "	100 00
5...	3 "	8x10	11x14	15 "	16 "	80 00

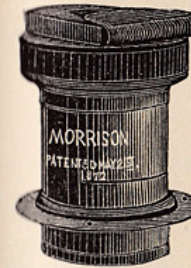
MORRISON'S

"FULL FIGURE"

8 x 10

PORTRAIT LENS.

Price, \$90.00.

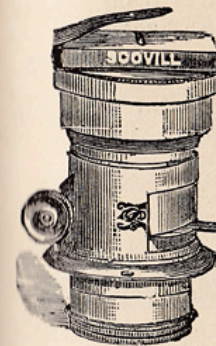


The "Peerless" Portrait Lens.

"PEERLESS" QUICK ACTING.

Price.

- No. 1 a. 1-4 size, Double Achromatic Lenses, 2½ in. diameter, focal length 4 in., Rack and Pinion, and fitted with a full set of Waterhouse Diaphragms in morocco case. \$25 00
- No. 2 a. 1-2 size, Double Achromatic Lenses, 2⅝ in. diameter, focal length 7 in., Rack and Pinion, and fitted with a full set of Waterhouse Diaphragms in morocco case. 40 00
- No. 3 a. 4-4 size, Double Achromatic Lenses, 3 in. diameter, focal length 9 in., Rack and Pinion, and fitted with a full set of Waterhouse Diaphragms in morocco case. 60 00



These Lenses are guaranteed first-class in every respect, and the best form for lantern work.

Extra Rapid "Peerless" Lenses.

- Size, ½; Rack and Pinion; diameter, 2⅝ inch; back focus, 6½ inch; price.....\$60 00
- Size, 4-4; rigid mounting; diameter, 3⅛ inch; back focus, 8 inch; price..... 85 00
- Size, ex., 4-4; rigid mounting; diameter, 4 inch; back focus, 12 inch; price.....160 00

These lenses work with an aperture the full size of the lens, and, being short focus, are very rapid. They give perfect definition, with great depth of focus.

Prices of Central Stops, Flanges and Leather Caps.

(FURNISHED TO ORDER.)

For Morrison's and Peerless Lenses.

	Plain Metal Drop.	Central Stops, in Leather Case.	Flanges.	Caps.
Wide-Angle to 10 inch, inclusive..	\$..	\$..	\$1 50	\$0 60
“ from 13 to 17 inch...	..	..	2 00	..
10 and 13 inch Instantaneous Wide- Angle View Lenses.....	2 25	4 00	1 75	75
5½ and 8 inch Instantaneous Wide- Angle View Lenses.....	2 00	3 75	1 75	75
1-4 size Peerless Lenses.....	..	4 50	2 50	1 50
1-2 “ “ ..	..	5 00	3 00	1 75
4-4 “ “ ..	..	6 50	3 50	2 00
Ex. “ “ ..	..	7 50	4 50	2 50

Revolving Shutter and Diaphragms, for all sizes of Morrison Instantaneous Wide-Angle Lenses, \$20.00.

Scovill's "Peerless" Quick-Acting Stereoscopic Lenses,

FOR PORTRAITURE OR VIEWS.

These Lenses are especially designed for Stereoscopic Photography, and are so constructed that they will work well for interiors or exteriors.

They are particularly adapted for instantaneous work.

Diameter of Lenses, 1½ inch; focal length, 3½ inches.

By removing the back lens and substituting the front combination, a focal length of 5½ inches is obtained.

They are supplied with six Waterhouse diaphragms in morocco case.

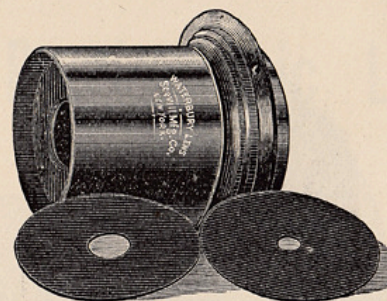
Price, per pair.\$25 00

Imitation Dallmeyer Lens.....Each, \$9 50
“ “ Lenses, matched for Stereoscopic Work, per pair, 17 00

SCOVILL'S PORTRAIT LENS.

For 3¼ x 4¼ and 4 x 5 Portraits, or in pairs for Stereoscopic Views on 5 x 8 plate... price each, \$8 75

WATERBURY LENSES.



The unprecedented success which has everywhere resulted from the employment of the smaller Waterbury Lenses—those for 4 x 5 and 5 x 8 respectively (and which are achromatic combinations composed of a bi-convex Lens of crown glass cemented to a plano-convex Lens made of the best flint glass)—has induced the Scovill Manufacturing Company to extend the capabilities of this favorite objective, and to issue one of larger dimensions and longer focus than either of the others.

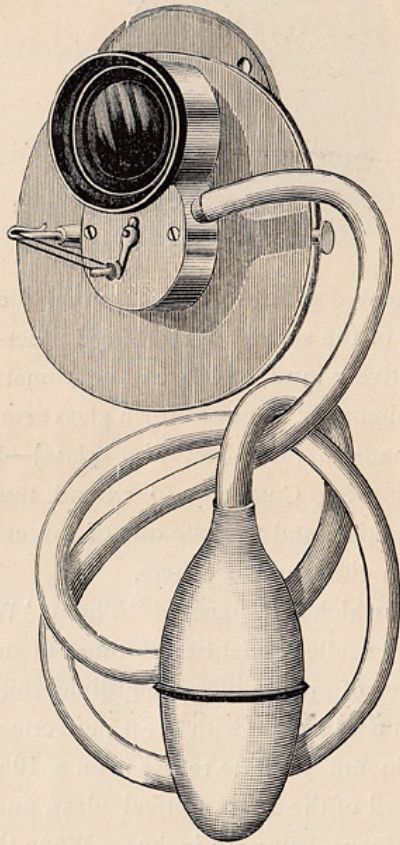
This new lens, which is designated “The ‘C’ Waterbury Lens,” possesses all the excellent qualities of those of smaller size, while it takes a negative of greatly increased dimensions. It produces a negative on an 8 x 10 plate with great perfection, although some photographers do not hesitate to use it on a 10 x 12 plate. The lens is constructed of the finest optical glass, and has a diameter of 2¼ inches, its focus being 15 inches. When the largest stop is employed this lens is capable of producing fine portraits—especially busts—on a twelve-inch plate.

It has diaphragms of three different diameters, these being carefully calculated so as to suit the various exigencies under which a lens is employed.

PRICE.

A, Single, for 4 x 5 plate.....	\$3 50
A, Matched pair, stereoscopic.....	7 00
B, Single, for 5 x 8 plate.....	4 50
BB, Single, for 6½ x 8½ plate.....	6 00
C, Single, for 10 x 12 and 8 x 10 plate.....	8 00

The Wale Universal Lenses.

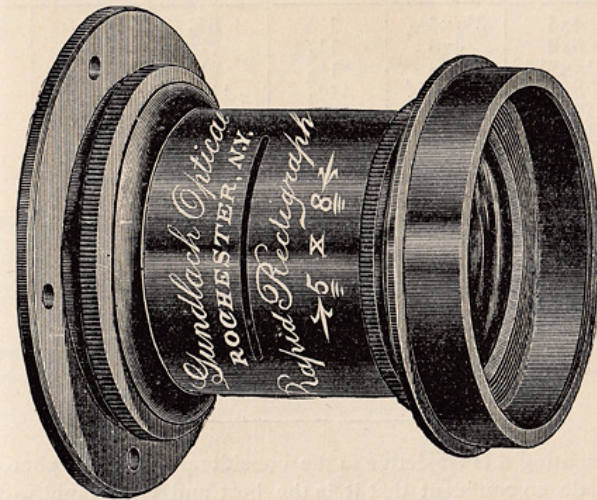


For Landscapes, Groups, Portraits, and Instantaneous Views.

6 in.	back focus,	for	5	x	8	Plates and under	(without Shutter)	..	\$25 00
6	"	"	"	5	x	8	"	"	{ (with Instantaneous and Time Shutter) } 35 00
8	"	"	"	6½	x	8½	"	"	(without Shutter).. 33 00
8	"	"	"	6½	x	8½	"	"	{ (with Instantaneous and Time Shutter) } 43 00
10	"	"	"	8	x	10	"	"	(without Shutter).. 40 00
10	"	"	"	8	x	10	"	"	{ (with Instantaneous and Time Shutter) } 50 00

GUNDLACH

Rapid Rectigraphic Lenses.



The splendid qualities of the **Rectigraphic** (it being constructed on a principle superior to that employed in the construction of any other photographic lens in the market), have won for it, in the short time it has been before the photographic public, a well recognized place in the front rank of photographic objectives.

It possesses all the qualities required to make it equally valuable for either Landscape or Portrait Work. For the latter purpose we recommend especially the larger sizes, from No. 4 up. When used with the Modern Dry Plate they will equal the best Portrait Lenses in rapidity, while, with their full opening, they have wonderful depth and microscopic sharpness.

The RECTIGRAPHIC is superior to any lens in the market in flatness of field, and is the only one that can be focused sharp at the extreme edge of the field, being free from astigmatism.

Each lens is supplied with a set of Diaphragms in a morocco case.

GUNDLACH

Rapid Rectigraphic Lenses.

DESCRIPTION AND PRICE.

No.	Size of Plate.	Size of Portrait.	Diam. of Lenses.	Back Focus.	Equivalent Focus.	Price.
1	4x5	3 $\frac{1}{4}$ x4 $\frac{1}{4}$	1	5 $\frac{7}{8}$	6 $\frac{1}{4}$	\$20.00
2	5x8	4x6	1 $\frac{1}{4}$	7 $\frac{1}{2}$	8	30.00
3	6 $\frac{1}{2}$ x8 $\frac{1}{2}$	5x8	1 $\frac{1}{2}$	9 $\frac{1}{4}$	10	38.00
4	8x10	6 $\frac{1}{2}$ x8 $\frac{1}{2}$	1 $\frac{3}{4}$	11	12	50.00
5	10x12	8x10	2	13 $\frac{1}{8}$	14 $\frac{1}{4}$	64.00
6	11x14	10x12	2 $\frac{1}{4}$	15 $\frac{1}{4}$	16 $\frac{1}{2}$	76.00
7	14x17	12x15	2 $\frac{5}{8}$	17 $\frac{1}{2}$	19	125.00
8	17x20	16x18	3	20	22	150.00

GUNDLACH

Wide-Angle Rectigraphic Lenses.

In presenting this Objective to the consideration of the photographic public, we do so confident that it is the best and most rapid wide-angle Photographic objective in the market. It is absolutely rectilinear, and possesses, in so far as any wide-angle lens can, the qualities that have won so much favor for the RAPID RECTIGRAPHIC.

No.	Size of Plate.	Diameter of Lenses.	Back Focus.	Equivalent Focus.	Price.
1	5x7	$\frac{7}{8}$ in.	4 $\frac{1}{8}$ in.	4 $\frac{1}{2}$ in.	\$24.00
2	6 $\frac{1}{2}$ x8 $\frac{1}{2}$	1 $\frac{1}{8}$ "	5 $\frac{1}{2}$ "	6 "	30.00
3	10x12	1 $\frac{1}{2}$ "	7 $\frac{3}{8}$ "	8 "	40.00
4	14x17	2 "	9 $\frac{3}{4}$ "	10 $\frac{1}{2}$ "	55.00
5	17x20	2 $\frac{5}{8}$ "	13 $\frac{1}{8}$ "	14 "	80.00

List of Caps, Diaphragms, Etc., for the Rapid Rectigraphic Lens.

	1	2	3	4	5	6	7	8
Flange.....	\$0.45	\$0.65	\$0.75	\$1.00	\$1.30	\$1.60	\$2.50	\$3.00
Diaphragms.....	.80	1.20	1.75	2.25	2.75	3.40	5.75	6.75
Case.....	.35	.40	.45	.50	.65	.75	1.25	1.50
Caps.....	.35	.40	.45	.50	.65	.75	1.25	1.50

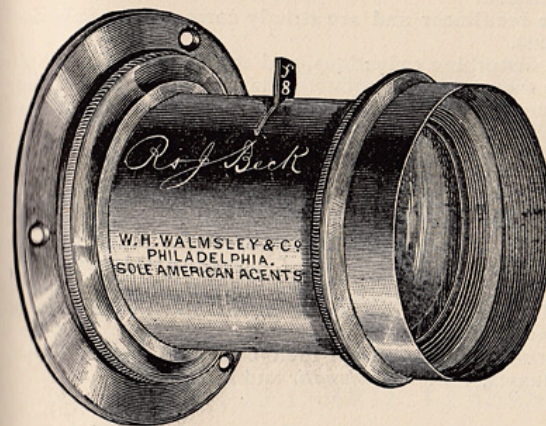
IMPORTED LENSES.

Beck Autograph Rectilinear Lenses.

None genuine without this engraved on the tube.

Ref Beck.

These Lenses possess qualities entirely their own.



5 x 4. ACTUAL SIZE.

These Lenses are perfectly Aplanatic, covering with full aperture to the extreme corners the size plate for which they are designated in the list, and much larger sizes when moderately stopped down. They are very rapid in action rendering them particularly valuable for instantaneous and short-time exposures; are rigidly rectilinear and symmetrical; possess wonderful penetration and definition, and are the lightest and most compact of any lenses in the market—a matter of no small moment to the landscape photographer. The No. 5 Lens will make life-size heads, sharp and free from distortion. They are in use in many of the leading galleries of the country.

No.	Size of Plate.	Diameter of Lenses.	Back Focus.	Equiv'lent Focus.	Angle.	Price.
1	3 $\frac{1}{4}$ x4 $\frac{1}{4}$	$\frac{7}{8}$ in.	4 $\frac{1}{2}$ in.	5 in.	75°	\$25 00
2	4 $\frac{1}{4}$ x5 $\frac{1}{2}$	1 in.	6 in.	6 $\frac{3}{4}$ in.	70°	30 00
3	5 x 8	1 $\frac{1}{4}$ in.	8 in.	8 $\frac{3}{4}$ in.	64°	35 00
4	6 $\frac{1}{2}$ x8 $\frac{1}{2}$	1 $\frac{1}{2}$ in.	10 $\frac{1}{4}$ in.	11 in.	67°	50 00
5	8 x 10	1 $\frac{3}{4}$ in.	12 $\frac{1}{4}$ in.	13 in.	66°	60 00
6	10 x 12	2 in.	14 $\frac{1}{2}$ in.	16 in.	66°	75 00
7	11 x 14	2 $\frac{1}{4}$ in.	16 $\frac{3}{4}$ in.	18 in.	66°	100 00
8	14 x 17	3 in.	22 in.	24 in.	66°	160 00
9	20 x 22	3 $\frac{3}{4}$ in.	27 $\frac{1}{2}$ in.	30 in.	66°	200 00

STEINHEIL LENSES.

'QUALITY not quantity governs in determining the price of lenses.' By an examination of the following price list, which supercedes all previous ones, it will be seen that Steinheil lenses are sold lower than any first-class lenses with which alone they may be compared. The introduction of Steinheil lenses marked an important advance in photographic optics.

HOW TO SELECT A STEINHEIL LENS.

In order to meet the various requirements, and to insure in each special case as perfect work as possible, we make lenses of different constructions.

Our lenses are divided into six *series*, presented in the order of their respective rapidities. Each series begins with No. 1 for the smallest size, and continues upwards. To avoid errors, it is therefore necessary in ordering to quote both the number of the series and the number of the lens in the present catalogue.

All our lenses are rectilinear and are strictly corrected for spherical errors and chemical focus.

They are free from disturbing reflections, and strongly illuminated objects can be taken with them without producing flare or light spots. They are, moreover, constructed so as to give the greatest possible equality of definition over the whole picture.

In focusing with these lenses, it is advisable to use the largest stop, even when it is intended to work with the smallest.

The scientific basis of our establishment and the precise methods employed both in the manufacture of our astronomical and photographic apparatus, enable us to produce lenses of such uniform accuracy, that the means of most vigorous testing at our command fail to reveal any differences in the instruments we send out.

We make it a special point never to supply a lens which is capable of improvement at our hands.

According to the principle involved in their construction, our lenses consist chiefly of two classes, viz.: *Antiplanatic* and *Aplanatic*.

Antiplanatic Lenses.

(U. S. Patent Nos. 241,437-'8.)

Briefly stated, these lenses which are the result of a series of calculations extending through several years, are composed of two non-symmetrical combinations each of as great but opposite faults as possible, which correct each other. One combination has a shorter focus than the objective as a whole, and the other has a negative focus. The combinations are placed very closely together.

By the peculiar construction, as described above, differing widely from the usual forms, it has been possible to correct to a considerable extent the hitherto greatest defect in photographic objectives, viz., "Astigmatism," and the consequent rapid decrease of definition from the center to the margin of the picture.

The result is greater sharpness and depth distributed more equally over a larger and strictly even picture, before any decrease in definition is perceptible.

Illumination, too, is more evenly distributed in consequence of lenses being proportionately nearer together.

These properties allow the lenses to be worked with full aperture or large stops, and gives them great rapidity of action.

The perfectly correct delineation produced by the antiplanets render them particularly suitable for enlargements as well as for dissolving view apparatus.

If small and sharp originals are taken, and subsequently enlarged, depths are obtained which would be unattainable in larger pictures taken *direct* with same amount of light. For this purpose, which will probably play an important part in photography, the antiplanets are specially suitable.

In making enlargements the front lens of the antiplanets should always be turned towards the enlarged picture, and the back lens towards the object to be enlarged.

This construction is designed for strictly even and correctly delineated pictures, and all tilting of the camera should be decidedly avoided and a movable lens board used instead.

The antiplanets are made in two series: The portrait antiplanets (Series I.) and the group antiplanets (Series II.), the latter being, however, also excellent dry plate portrait lenses.

Aplanatic Lenses.

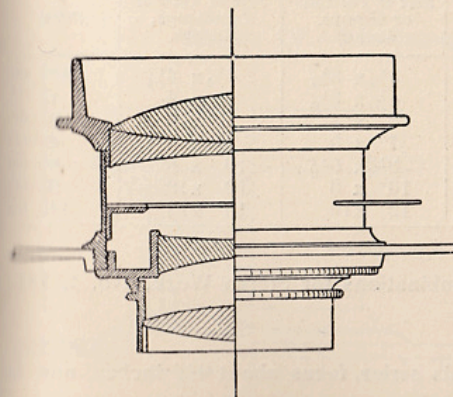
These lenses consist of the original and now well-known symmetrical and rectilinear combinations. They are made in four series, each of which is especially designed for a certain class of work. Their capabilities and object are fully explained below.

The lenses of Series V., also Series III., No. 1; Series IV., Nos. 1 and 2 have rotary diaphragms.

All the other lenses are furnished with Waterhouse diaphragms in morocco case.

STEINHEIL LENSES.

Series I.—Portrait Antiplanatics.

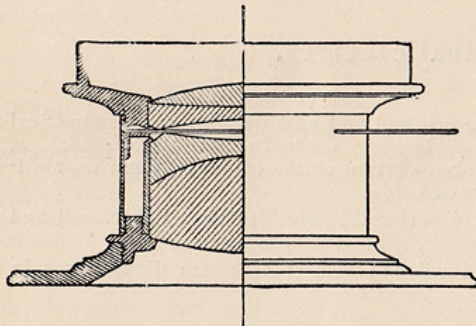


The rapidity is the same as in the usual Portrait Objectives, but there is more equality in the distribution of sharpness and illumination over the picture and greater depth. Contrary to the ordinary Portrait Objectives they produce perfectly correct delineation. Designed for *Portraits, Enlargements, and Dissolving View Apparatus.*

Series I.—Portrait Antiplanatics.

No.	Aperture. Inches.	Focal Length. Inches.	Plate. Inches.	Price.
1.....	$\frac{5}{8}$	2	Locket-Size.	\$25 00
1a.....	$1\frac{1}{8}$	$4\frac{1}{8}$	1-9 plate.	50 00
1b.....	$2\frac{5}{16}$	$7\frac{1}{16}$	1-6 plate.	75 00
2.....	3	$9\frac{1}{2}$	1-4 plate.	100 00
3.....	$3\frac{5}{8}$	$12\frac{5}{8}$	1-2 plate.	165 00
4.....	$5\frac{1}{4}$	$23\frac{3}{8}$	4-4 plate.	330 00

Special quotations for larger sizes.

Series II.—Patent Antiplanatic Group Lens.

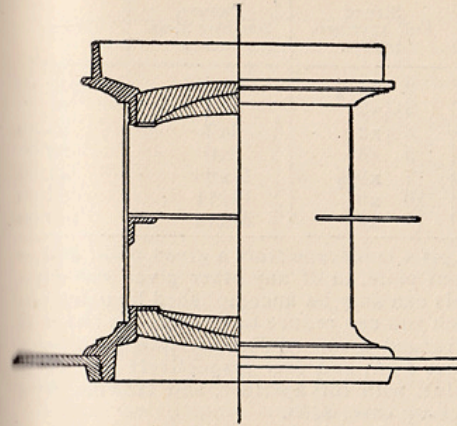
New in principle and construction, consisting of two non-symmetrical cemented pairs, placed so closely together, that there is only just room for the diaphragm. It is rectilinear, and is remarkable for its powerful and even illumination and depth of focus. In rapidity, it is only excelled by the regular and expensive portrait com-

binations. Designed for *Portraits, Groups, Architecture, Landscape, Instantaneous Work and Enlargements.*

No.	Aperture, Inches.	Focal Length, Inches.	Size of Portraits or Groups, Inches.	Size of View or Landscape, Inches.	Price.
1.....	11-16	$3\frac{3}{4}$	$3\frac{1}{4} \times 3\frac{1}{4}$	$4\frac{1}{4} \times 3\frac{1}{4}$	\$21 00
2.....	1	$5\frac{5}{8}$	$4\frac{1}{4} \times 3\frac{1}{4}$	5 x 4	28 00
3.....	1 5-16	$7\frac{1}{4}$	5 x 4	7 x 5	37 00
4.....	1 11-16	$9\frac{1}{2}$	7 x 5	$8\frac{1}{2} \times 6\frac{1}{2}$	48 00
5.....	$1\frac{1}{8}$	$10\frac{7}{8}$	$8\frac{1}{2} \times 6\frac{1}{2}$	10 x 8	60 00
6.....	$2\frac{1}{2}$	$14\frac{1}{6}$	10 x 8	12 x 10	95 00
7.....	3 1-16	$17\frac{3}{4}$	12 x 10	15 x 12	140 00

Price for two identical combinations for Stereo Work, No. 1, \$44; No. 2, \$60; No. 3, \$77.

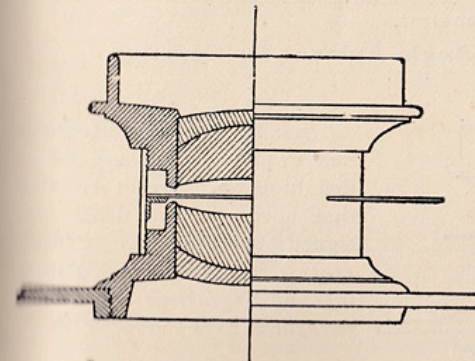
Detective camera lens of this series, focus about $4\frac{3}{4}$ inches, now in preparation.

Series III.—Aplanatic Lens.

The prototype of all rapid symmetrical and rectilinear lenses. Is now made with increased illumination and rapidity. Next to the Antiplanatic Group Lens, Series II., it is the best lens for general work. Designed for *Portraits, Groups, Architecture, Landscape and Instantaneous Work.*

No.	Aperture. Inches.	Focal Length, Inches.	Size of Portraits or Groups, Inches.	Size of View or Landscape, Inches.	Price.
1.....	$\frac{1}{4}$	$15\frac{5}{8}$	For enlarging,		\$ 18 00
2.....	$\frac{5}{8}$	$3\frac{3}{4}$	$3\frac{1}{4} \times 3\frac{1}{4}$	$4\frac{1}{4} \times 3\frac{1}{4}$	18 00
3.....	1	$5\frac{5}{8}$	$4\frac{1}{4} \times 3\frac{1}{4}$	$5\frac{1}{2} \times 4\frac{1}{4}$	25 00
4.....	$1\frac{1}{4}$	$7\frac{1}{2}$	$5\frac{1}{2} \times 4\frac{1}{4}$	7 x 5	32 00
5.....	1 11-16	11	$8\frac{1}{2} \times 6\frac{1}{2}$	10 x 8	44 00
6.....	2 1-16	$14\frac{1}{8}$	10 x 8	12 x 10	57 00
7.....	$2\frac{3}{8}$	$17\frac{3}{8}$	12 x 10	14 x 11	86 00
8.....	2 15-16	$21\frac{3}{8}-16$	17 x 14	20 x 17	125 00
9.....	3 7-16	25	20 x 17	22 x 18	166 00
10.....	4 9-16	33	22 x 18	24 x 20	245 00

Price for two identical combinations for Stereo Work, No. 2, \$38; No. 3, \$52; No. 4, \$67.

Series IV.—Landscape Aplanats.

Angle about 75 deg., and covering a larger field than the lenses of Series III. Specially designed for *Landscape Work and Architecture*, but can also be advantageously used for *Copying*.

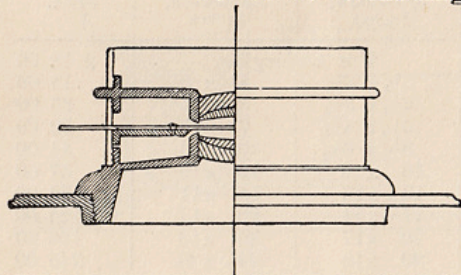
Series IV.—Landscape Aplanats.

No.	Aperture. Inches.	Focal Length. Inches.	Size of Full Aperture. Inches.	Picture, Smallest Stop. Inches.	Price.
1.....	3-16	2 $\frac{3}{8}$	2 x 1 $\frac{1}{2}$	3x2 $\frac{1}{2}$	\$18 00
2.....	3-8	3	2 $\frac{1}{2}$ x2	4x3	21 00
3.....	$\frac{1}{2}$	4 $\frac{3}{4}$	3 $\frac{3}{4}$ x3	6x5	26 00
4.....	$\frac{3}{4}$	6 $\frac{3}{8}$	5 x4	8x6	32 00
5.....	1	9 $\frac{1}{8}$	7 x5 $\frac{1}{2}$	11x8	44 00
6.....	1 $\frac{1}{2}$	15 $\frac{3}{8}$	10 x8	14x11	86 00
7.....	2 $\frac{1}{8}$	23 $\frac{5}{8}$	14 x11	20x16	160 00

It is frequently desirable to get a landscape from a given point and to get it just of the size to cover your plate, or of any other given size without changing your position. This can only be accomplished by using objectives of different foci, by which you can reduce or enlarge the image at will. For this work we have arranged a *Set of Four Landscape Aplanats*, fitting in the same flange, aperture 1 in., and foci respectively 9 $\frac{1}{2}$, 12 $\frac{5}{8}$, 15 $\frac{3}{4}$ and 19 ins., covering 7x5 $\frac{1}{2}$ ins. with full aperture, and 11x8 ins. with smallest stop. Price, in neat lock-up case, \$168.

Sets of any number and class of aplanats made to order at proportionate prices.

Series V.—Wide-Angle Aplanat.

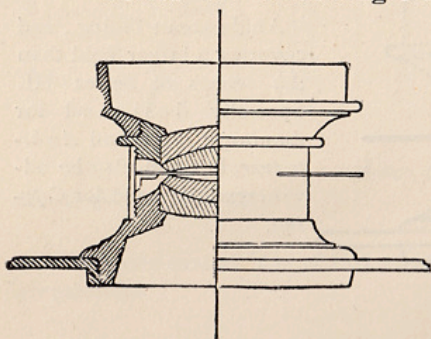


The proportionately short focus and large angle (about 100 deg.) of these lenses make them particularly adapted for *Interiors, Architecture*, and for very high, broad objects taken from short distances.

No.	Aperture. Inches.	Focal Length. Inches.	Size of Sharp Pictures. Inches.	Price.
1.....	3-16	3 $\frac{3}{4}$	5 x5	\$26 00
2.....	5-16	4 $\frac{3}{4}$	7 x7	30 00
3.....	7-16	7 $\frac{1}{4}$	10 $\frac{1}{4}$ x10 $\frac{1}{4}$	42 00
4.....	9-16	10 $\frac{3}{8}$	12 $\frac{1}{4}$ x12 $\frac{1}{4}$	61 00
5.....	14-16	16	18 $\frac{1}{2}$ x18 $\frac{1}{2}$	93 00

Special quotations for larger sizes.

Series VI.—Wide-Angle Aplanat for Copying.



These lenses give perfect flatness of picture and sharpness of definition, and have at the same time a considerable field. Designed specially for *Copying Maps, Charts, Drawings, Paintings and Engravings* and *Photo-mechanical work generally*.

Series VI.—Wide-Angle Aplanat for Copying.

No.	Aperture. Inches.	Focal Length. Inches.	Size of Sharp Picture. Inches.	Price.
1.....	1	14 $\frac{3}{8}$	10 x 10	\$75 00
2.....	1 $\frac{1}{4}$	18	13 x 13	105 00
3.....	1 $\frac{3}{4}$	23 $\frac{5}{8}$	17 x 17	145 00
4.....	2	30 $\frac{3}{4}$	20 x 20	210 00
5.....	2 $\frac{1}{2}$	38 $\frac{3}{8}$	24 x 24	320 00
6.....	3	48 $\frac{1}{4}$	28 x 28	540 00
6.....	3 $\frac{1}{2}$	56	34 x 34	760 00

Special quotations for larger sizes.

These lenses are rapidly gaining favor in the photo-mechanical establishments throughout the United States, whose operators pronounce them superior to all others for the special work for which they have been constructed.

As a result of our experience we beg to point out particularly the necessity of avoiding the slightest vibration during exposure, when it is desired to obtain the extremest sharpness of picture which these lenses are capable of producing. It is also advisable not to use too small a diaphragm as the diffraction caused thereby veils the picture.

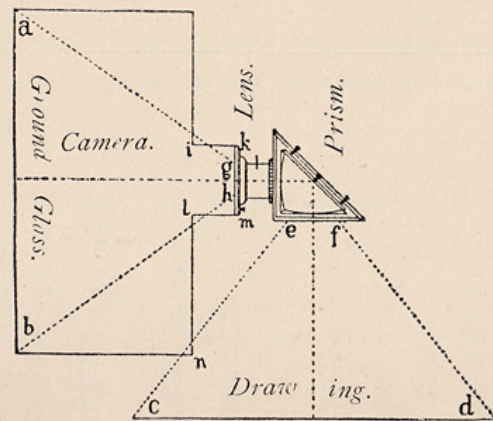
For obtaining inverted negatives, without stripping the film, we have designed the Prisms of Series VII, which can be fitted to the above or any other lenses.

Series VII.—Prisms.

These prisms are made of one solid homogenous mass of glass, with silvered hypotenuse.

They are centered in their mountings and adjustable to our lenses simply by unscrewing the hood of the lens and screwing the prism in its place.

With every prism is furnished a rotary flange with set screw, allowing the prism to be turned and fixed at any angle to the horizon. Designed for making *Inverted Negatives without stripping the film.*



Series VII.—Prisms.

No.	To work with Lenses as follows :	Price.
1	Ser. III. No. 2, Ser. IV. No. 3, Ser. IV. No. 4.....	\$37 00
	Ser. V. No. 1, Ser. V. No. 2.....	41 00
2	Ser. IV. No. 5, Ser. V. No. 3, Ser. VI. No. 1.....	45 00
3	Ser. III. No. 3, Ser. VI. No. 2.....	57 00
4	Ser. II. No. 2, Ser. III. No. 4, Ser. V. No. 4.....	68 00
5	Ser. IV. No. 6, Ser. V. No. 5.....	80 00
6	Ser. II. No. 3, Ser. VI. No. 3.....	110 00
7	Ser. III. No. 5, Ser. VI. No. 3½, Ser. VI. No. 4.....	125 00
8	Ser. IV. No. 7.....	155 00
9	Ser. II. No. 4, Ser. III. No. 6, Ser. VI. No. 5.....	185 00
10	Ser. VI. No. 6.....	287 00
11	Ser. III. No. 7.....	493 00
12	Ser. III. No. 8.....	

No charge made for *fitting* the above Prisms to Steinheil Lenses. For fitting to other makes of lenses the labor will be charged for at cost.

Series VIII.—Aplanatic Focusing Lenses.

These are a combination of three lenses, so constructed that, at a considerable focal distance and large field, they produce an even, undistorted picture, achromatic both inside and outside of the axis.

No.	Focal Length.	Linear Magnifying Power.	Price.
1.....	2⅔ in.	.....about 3½ times.....	\$12 00
2.....	1⅝ " "	....." 5 ".....	10 00
3.....	1 " "	....." 8 ".....	8 00

Ross Rapid Symmetrical Lenses,

FITTED WITH WATERHOUSE DIAPHRAGMS.

Size of View.	Size of Group.	Diameter.	Equiv. Focus.	Price.
4 x 5	3¼x 4¼	1 inch.	6 inch.	\$34 00
4½x 7½	4 x 5	1¼ " "	7½ " "	42 00
5 x 8	4½x 7½	1⅜ " "	8½ " "	46 00
6½x 8½	5 x 8	1½ " "	11 " "	52 00
8 x 10	6½x 8½	1¾ " "	13 " "	68 00
10 x 12	8 x 10	2 " "	16 " "	84 00
11 x 13	9 x 11	2¼ " "	18 " "	92 00
12 x 15	11 x 14	2½ " "	20 " "	116 00
16 x 18	12 x 15	3 " "	24 " "	148 00
18 x 22	16 x 18	3½ " "	30 " "	200 00
22 x 25	18 x 22	4 " "	34 " "	240 00

These lenses are free from "flare" and distortion, and give absolutely straight marginal lines, rendering them invaluable for all kinds of architectural subjects, dimly-lighted interiors, copying, and instantaneous work.

Ross Portable Symmetrical Lenses.

For landscapes, architecture or copying ; giving wide or ordinary angles, according to the stop used. A great favorite with English amateurs. Unequaled for photographic work.

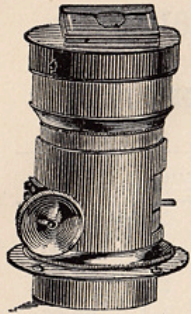
No.	Large Stop.	Med. Stop.	Small Stop.	Equiv. Focus.	Price.
a 3	4 x 5	4½x 7½	5 x 8	5 inch.	\$28 00
a 4	4½x 7½	5 x 8	6½x 8½	6 " "	32 00
5	5 x 8	6½x 8½	7 x 9	7 " "	40 00
6	6½x 8½	7 x 9	8 x 10	8 " "	48 00
7	7 x 9	8 x 10	10 x 12	9 " "	56 00
8	8 x 10	10 x 12	11 x 14	10 " "	64 00
9	10 x 12	11 x 14	12 x 15	12 " "	72 00
10	11 x 14	12 x 15	16 x 18	15 " "	80 00
11	12 x 15	16 x 18	18 x 22	18 " "	96 00
12	16 x 18	20 x 22	21 x 25	21 " "	120 00

Darlot Portrait Lenses.

RACK AND PINION, WITH CENTRAL STOPS.

1-4 size, 4½ inch focus.....	\$8 75
1-2 " 7 "	17 50
4-4 " for 8-10 plates, 10½ inch focus...	35 50

The ¼ size we can furnish in matched pairs.



Darlot Quick Working Portrait Lenses.

RACK AND PINION, WITH CENTRAL STOPS.

1-2 size, 5½ inch focus.....	\$22 00
4-4 " 8½ "	43 00

Darlot Hemispherical.

WIDE-ANGLE RECTILINEAR VIEW LENSES.

These Lenses embrace an angle of 90 degrees, and are valuable for taking views of buildings, interiors, etc., in confined situations, where those of longer focus cannot be used.

No.	Back Focus.	Size View.	Price.
No. 1,	2½ inches.....	For Stereoscopic Work, each.....	\$12 50
" 2,	3 "	" " " "	15 00
" 3,	5 "	8 x 10.....	20 00
" 4,	8 "	10 x 12.....	25 00
" 5,	12 "	14 x 17.....	35 00

Darlot Rapid Hemispherical View Lenses.

These Lenses embrace an angle of from 60 to 75 degrees; are quick-acting, perfectly rectilinear, and provided with central stops. Will be found very fine lenses for landscapes and outdoor groups; also for copying engravings, maps, architectural subjects, etc.

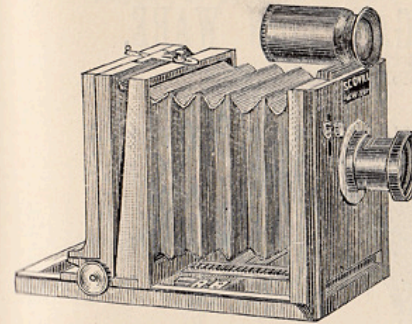
No.	Back Focus.	Size View.	Price.
No. 1,	5½ inches.....	5 x 6.....	\$15 00
" 2,	9 "	5 x 8.....	25 00
" 3,	10½ "	8 x 10.....	35 00
" 4,	14 "	10 x 14.....	50 00

No. 1 can be had in matched pairs for Stereoscopic work.

Darlot Gem Lenses.

PLAIN.

1-9 size, each.....	\$2 50
1-4 " "	3 75



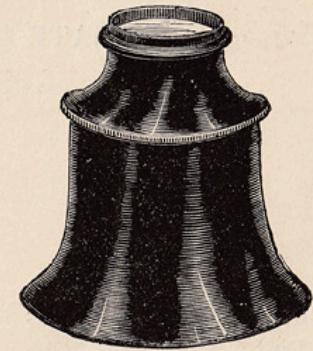
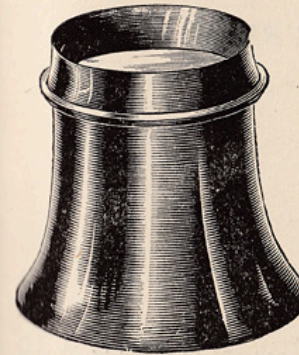
(WATERBURY ADJUSTABLE FINDER ON '76 CAMERA.)

The "Waterbury Adjustable Finder."

Each, \$3.00.

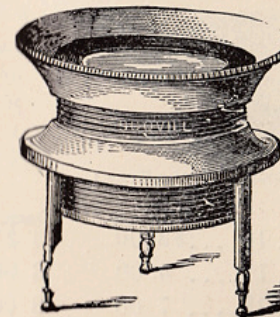
To attach to Camera for instantaneous work.

Waterbury Focusing Glasses.



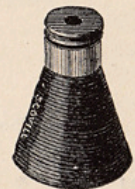
No. 1, Waterbury Focusing Glass, Horn.....	each, \$0 30
" 2, " " " Rubber.....	" 40
" 3, " " " Cork.....	" 40

Darlot Focusing Glasseach, \$3 00



Scovill Focusing Glass,
Each, \$0 75.

C. C. H. Focusing Glass,
Each, \$4 00



Darlot Focusing Glass..... \$3 00

PHOTOGRAPHIC AGATE-IRON WARE.

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

AGATE-IRON CORRUGATED FUNNELS.



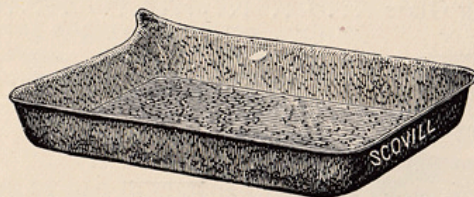
	Each.		Each.
Gill.....	\$0 34	Quart.....	\$0 60
½ Pint.....	40	2 Quarts.....	80
Pint.....	46	4 Quarts.....	1 20

AGATE-IRON MEASURES.



	Each.		Each.
Gill.....	\$0 45	Quart.....	\$0 88
½ Pint.....	54	2 Quarts.....	1 10
Pint.....	68	4 Quarts.....	1 60

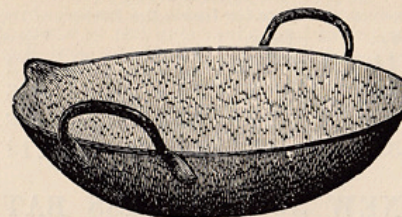
AGATE-IRON LIPPED PANS.



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

Nos.	Shallow.	Deep.	Nos.	Shallow.	Deep.
31	5 x 7....	\$0 80	35	11 x 14....	\$3 00
32	7 x 9....	1 00	36	14 x 17....	5 00
33	8 x 10....	1 25	37	15 x 19....	7 00
34	10 x 12....	2 00			8 00

AGATE-IRON EVAPORATING DISHES.



No.		Each.
1.	Diameter, 5 inches; Capacity, 1 Pint.....	\$0 50
2.	" 8 " " " 1 Quart.....	75
3.	" 9 " " " ½ Gall.....	1 00
4.	" 12 " " " 1 ".....	1 65
5.	" 16 " " " 2 ".....	3 00
6.	" 18 " " " 3 ".....	4 00
7.	" 20 " " " 4 ".....	5 75
8.	" 22 " " " 5 ".....	8 50
9.	" 24 " " " 6 ".....	11 00
10.	" 26 " " " 7 ".....	15 00
11.	" 27 " " " 8 ".....	20 00
12.	" 28 " " " 9 ".....	27 00

PHOTOGRAPHIC PORCELAIN WARE.

	Baths.	Stands.	Dippers.
3¼ x 4¼.....	\$1 00	\$0 25	\$0 30
5 x 6½.....	1 75	40	44
Stereoscopic.....	2 00	50	66
6½ x 8½.....	2 00	60	66
8 x 10.....	4 50	90	82
10 x 12.....	7 75	1 25	1 10
11 x 14.....	11 50	1 25	1 25
13 x 16.....	19 00	2 00	1 50
14 x 17.....	20 00	2 50	1 85

COVERED BATHS, Water-tight Rubber Tops.

(Without Stand or Dipper).

3¼ x 4¼.....	\$1 75	10 x 12.....	\$12 00
Stereo. and 5 x 6½.....	4 00	11 x 14.....	18 00
5 x 8 and 6½ x 8½.....	5 00	13 x 16.....	26 00
8 x 10.....	7 50	14 x 17.....	27 00

PORCELAIN EVAPORATING DISHES.

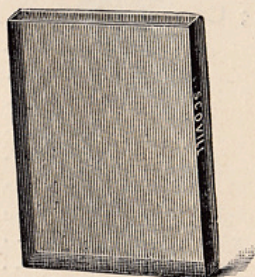
No.		
00.	Diameter, 16 inches, containing 3 Gallons.....	\$3 25
0.	" 14 " " " 2 ".....	2 25
1.	" 12 " " " 1 ".....	1 25
2.	" 11 " " " 3 Quarts.....	1 00
3.	" 10 " " " 2 ".....	85
4.	" 9 " " " 3 Pints.....	70
5.	" 8 " " " 2 ".....	50
6.	" 7 " " " 24 Ounces.....	45
7.	" 6 " " " ".....	40
8.	" 5½ " " " ".....	35
9.	" 5 " " " ".....	30

TRAYS.

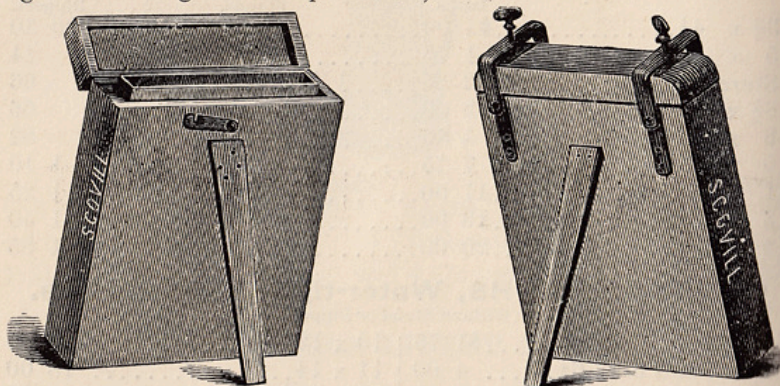
(The Dimensions given are for Inside the Bottom of the Tray.)

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

OUR NEW SOLID GLASS BATHS



are made expressly for us of selected metal. Each Bath will be warranted PERFECT in every respect. (We cannot guarantee against breakage in transportation.)



PRICES ARE AS FOLLOWS.

Size Inside Measurement.	In Original Package.	In Boxes. A. O. Co. make, for Studio.	In tight top Boxes. A. O. Co. make, for Outdoor.
	EACH.	EACH.	EACH.
5 x 7.....	\$0 95.....	\$2 50.....	\$5 60.....
7 x 10.....	1 30.....	3 25.....	6 30.....
9 x 12.....	2 00.....	4 50.....	7 60.....
11 x 14.....	3 50.....	7 00.....	10 00.....
12 x 16.....	5 25.....	8 75.....	12 00.....
16 1/2 x 20 1/2.....	20 24.....	24 00.....	27 50.....
18 x 24.....	40 00.....	45 00.....	48 00.....
20 x 26.....	62 50.....	65 00.....	71 25.....

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 38
5 x 8 " " " ".....	48
5 1/2 x 8 1/2 " " " ".....	54
7 x 9 " " " ".....	68

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 50
5 x 8 size, Improved.....	" 2 00
7 x 9 " ".....	" 2 50

GENUINE B. P. C. GLASS.

STRICTLY FIRST QUALITY.

Size.	Per Doz.	Per Gross
1-9.....	\$0 10.....	\$0 90
1-6.....	20.....	1 80
1-4.....	25.....	2 50
1-2.....	50.....	5 50
4 1/4 x 6 1/2.....	75.....	7 25
6 1/2 x 8 1/2.....	1 25.....	14 50
8 x 10.....	2 00.....	26 50
10 x 12.....	3 00.....	34 50

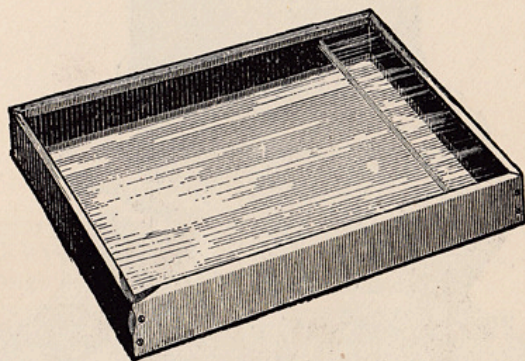
RUBY AND ORANGE GLASS.

FOR DARK ROOMS.

Sizes.	Per Light.	Sizes.	Per Light.
6 1/2 x 8 1/2.....	\$0 20.....	13 x 16.....	\$0 70
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.....		

— **ACME** —

GLASS BOTTOM

DEVELOPING TRAYS**FOR DRY PLATES.**

THESE TRAYS ENABLE THE OPERATOR TO DEVELOP A
PLATE WITHOUT REMOVING IT FROM THE
SOLUTION UNTIL FULLY DEVELOPED.

The Acme Trays 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.

The Acme Trays are superior to all others in respect to cheapness,
durability and cleanliness. They are lined with acid proof cement, and
warranted not to leak.

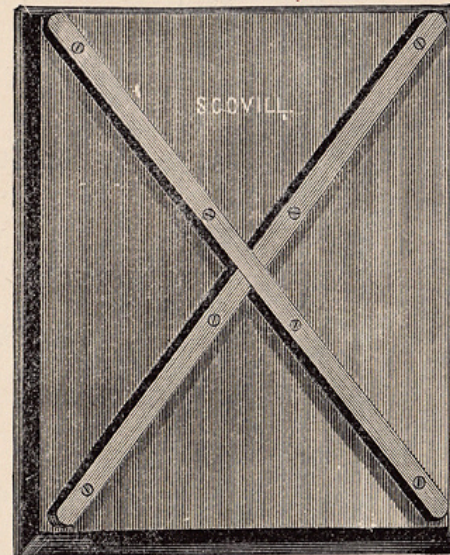
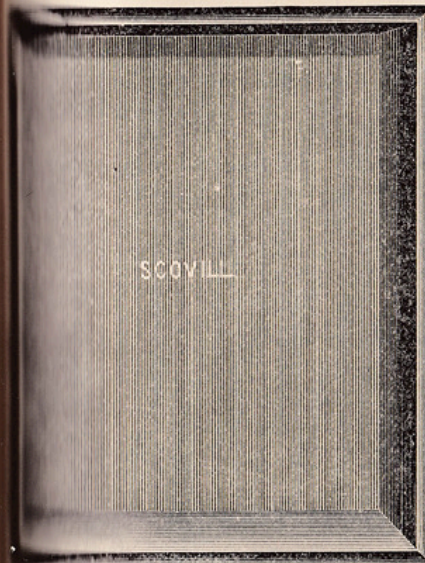
PRICES FOR TRAYS WITH RESERVOIR TO DEVELOP

4½x6½ Plate.....	\$1 00	8x10 Plate.....	\$1 30
5 x7 "	1 00	10x12 "	2 00
5 x8 "	1 20	11x14 "	2 30
6½x8½ "	1 25	15x18 "	4 00
19x24 Trays for silvering whole sheets, without reservoir, but with double thick glass bottom	5 50		

WATERBURY TRAYS.

In response to repeated and urgent solicitation, we were induced to
put upon the market "WATERBURY TRAYS," constructed upon more
scientific principles than any other wooden Tray in the market. These
Trays are made by the American Optical Company, which of itself is a
guarantee of the superiority of the wood work, and in addition to such en-
dorsement we give each Tray our own warrant.

The following description and illustrations are 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 seam-
less. The bottom rests on cross-strips—a great improvement, for steady-
ness, over knobs at the corners, which were liable to be broken off. The
Waterbury Trays do not warp or crack."

PRICE LIST.

	Each
15 x 19, Waterbury Tray.....	\$3 50
19 x 24 " "	5 00
22 x 28 " "	6 50
25 x 30 " "	9 00

Chance's Glass.

SIZES.		1st.	2d.	3d.	4th.
Photo. Sizes.	6½ x 8½	\$4.00			
	8 x 10				
25	6 x 8	3.80	\$3.33	\$3.24	\$3.06
	to				
40	10 x 15	4.14	3.87	3.69	3.42
	11 x 14				
50	16 x 24	5.31	4.95	4.50	4.14
	18 x 22				
54	20 x 30	5.94	5.31	4.68	....
	15 x 36				
60	24 x 30	6.30	5.76	5.04	....
	26 x 28				
70	24 x 36	6.65	6.21	5.22	....
	26 x 36				
80	26 x 44	7.38	6.93	5.94	....
	26 x 46				
84	30 x 50	8.19	7.56	6.48	....
	30 x 52				
90	30 x 54	8.64	7.92	7.11	....
	30 x 56				
94	34 x 56	9.09	8.55	7.74	....
	34 x 58				
100	34 x 60	10.26	9.36	8.55	....
	36 x 60				
	40 x 60				

An additional 10 per cent. will be charged for all Glass more than 40 inches wide. All sizes over 52 inches in length, and not making more than 81 united inches, will be charged in the 84 united inches bracket.

NEGATIVE GLASS.

All French and American Glass has advanced rapidly, and the tendency is toward another advance. These are our *present prices*:

Size.	No. of Lights per Box.	Per Doz.	Per Box.	Size.	No. of Lights per Box.	Per Doz.	Per Box.
4½ x 5½	282	\$0 33	\$4 67	14 x 17	31	\$3 03	\$6 32
4½ x 6½	262	38	4 67	16 x 20	23	4 40	6 32
5 x 7	180	50	4 67	18 x 22	18	6 60	8 12
5 x 8	180	50	4 67	20 x 24	15	7 92	8 12
6½ x 8½	131	66	4 67	22 x 28	12	9 90	9 07
8 x 10	90	88	4 67	26 x 32	9	13 20	9 62
10 x 12	60	1 32	4 67	30 x 38	7	19 80	11 73
11 x 14	47	1 76	6 32				

No allowance for breakage.

CONVEX GLASS.

	Per Doz.
Card size, Square, 2½ x 3¼ inches	\$0 35
" Oval, 2½ x 3¼ "	30
One-half size Oval, 4½ x 5½ "	60
" Square, 4½ x 5½ "	65
Cabinet size, Square, 4¼ x 6 "	75
" Oval, 4¼ x 6 "	70
Promenade size, Square, 4¼ x 6½ inches	85
Panel Shape, 4 x 8 inches	1 00
Boudoir (R. C.) 5½ x 8½ "	1 35
Square and Oval, 6½ x 8½ "	2 40
" " 8 x 10 "	3 00
" " 10 x 12 "	7 25

Collodion Filters.

4 oz	\$1 25	8 oz	\$1 35	16 oz	\$2 50
6 oz	1 35	12 oz	2 00	24 oz	2 50
		32 oz	\$3 75		

Collodion Vials.

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



Glass Stirring Rods.

8 inch, each	\$0 10	15 inch, each	\$0 20
12 " "	15	18 " "	25

Both ends are glaze finished.

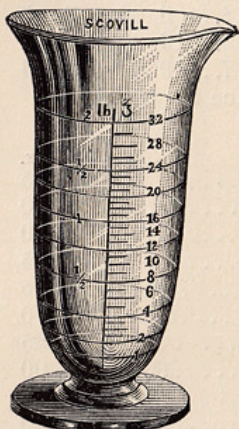
Glass Mortars and Pestles.



Glass, 2½ inch.....	\$0 15	Glass, 4 inch.....	\$0 40
“ 3 “	20	“ 5 “	65
“ 3½ “	30	“ 6 “	1 00

Wedgwood, holds 20 ounces..... 1 40

Glass Graduates.



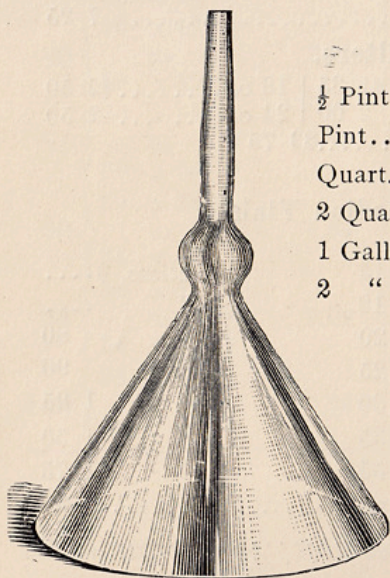
Minim.....	\$0 25
1 oz.....	20
2 oz	25
3 oz.....	30
4 oz.....	35
6 oz.....	45
8 oz.....	50
12 oz.....	80
16 oz.....	1 00
24 oz	1 00
32 oz.....	1 50

Glass Funnels.

½ Pint.....	\$0 19
Pint.....	16
Quart.....	20
2 Quarts.....	35
1 Gallon.....	60
2 “	70

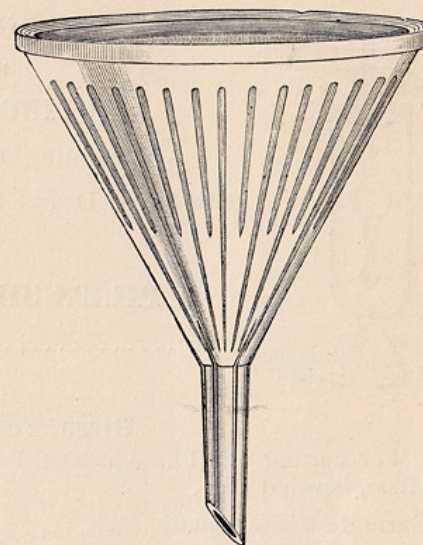
Bulb Funnels.

	EACH,
Pints.....	\$0 50
Quarts.....	69
Half Gallon.....	1 00



THE PATENT Fluted Funnel and Filter.

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 as shown in cut, 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.



½ pint.....	each, \$0 20
“	25
1 quart.....	35
“	50

Developing Bottles.

ALL SUPPLIED WITH PURE RUBBER TUBING—GUARANTEED.



	Price each.
Bottle to hold 1 pint of Solution.....	\$0 60
“ “ 1 quart “	75
“ “ 2 “ “	1 00
“ “ 1 gallon “	1 25

DIRECTIONS FOR USE.

When the developer is prepared for use, if it is left in contact with the atmosphere it gradually decomposes and becomes worthless. This bottle was contrived to guard against this, and has proved perfectly successful. After the developer has been used, instead of allowing it to stand in an open vessel exposed to the action of the air, it is poured into the bottle, care being taken to hold up the end of the rubber tube attached to the nipple at the bottom of the bottle, so that the solution cannot run out; then pour in oil of any kind suitable, such as sperm, petroleum, etc. The oil will float upon the surface of the water and thus effectually protect it from contact with the atmosphere; then insert the cork in its place in the neck of the bottle.

When about to use the developer a second time, place the developing tray containing the plate in a convenient position, take the cork out of the bottle, lower the end of the tube over the tray, and allow the proper quantity of developer to flow into the tray. When a sufficient quantity has been drawn down, replace the cork in the bottle, and keep it there until after completing the development of a plate. Then pour the remaining developer back into the bottle, for the oil will keep the air from the solution, and it may be used over and over again. If the developer shows signs of weakening, a small quantity of new solution may be added to strengthen it.

ARGENTOMETER

KNOWN AS THE

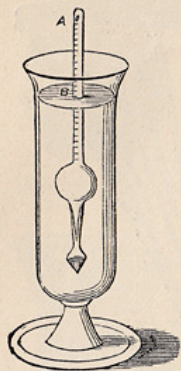
ACTINO-HYDROMETER.

For testing strength of Silver Baths.

Best Single Degree Scale, each.....\$0 60

PILE'S SILVER TEST TUBE.

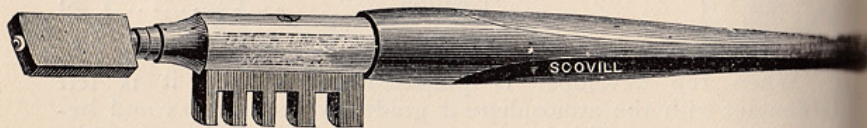
Price.....\$2 00

**Glass Forms.**

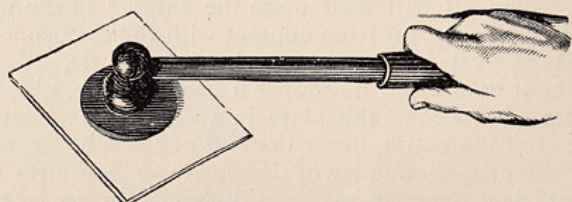
For cutting out Photographic Prints. Made of fine polished Glass, beveled edge.

Carte de Visite, square, each.....	\$0 35
Stereo Cards, square or arch, each.....	50
Victoria Cards, square, each.....	50
Cabinet Cards, " ".....	60
6½ x 8½, square, each.....	1 25

These Forms are generally used with Robinson's Straight Cut Trimmers.

DIAMONDS.

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

The Manipulator.

A simple and useful contrivance for protecting the hands while making negatives.

Price.....\$0 90

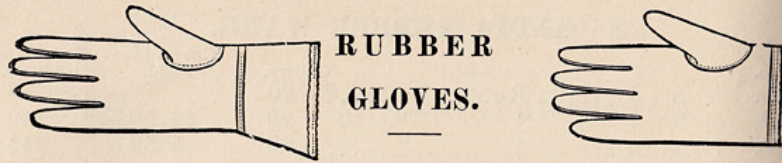
INDIA RUBBER WARE.

No.			Gallery.	Covered for Field.	New Style Dippers.
3.	4 x 5	India Rubber Baths..	\$0 90		\$0 35
4.	5 x 7	" "	1 20	\$4 50	40
5.	7 x 10	" "	1 80	5 50	45
6.	9 x 11	" "	3 50	7 00	50
6½.		" "			55
7.	12 x 16	" Baths..	5 50	10 50	60
8.	15 x 18	" "	6 50	13 50	90
9.	17 x 20	" "	8 50	17 50	1 10
10.	19 x 24	" "	11 50	22 50	1 60
4.	5 x 7	Stereoscopic Covered Baths.....		4 00	
5.	7 x 10	" "		6 00	
6.	9 x 11	" "		7 75	
2.	4½ x 5½	India Rubber Pans.....			66
3.	5 x 7	" "			80
3½.	5½ x 8½	" "			1 05
4.	7 x 9	" "			1 10
5.	8½ x 10½	" "			1 65
6.	10¾ x 12¾	" "			2 75
7.	12 x 16	" "			3 50
8.	15 x 18	" "			5 00
9.	18 x 22	" "			7 75
10.	21 x 26	" "			8 75
6½.	10 x 12	" "		extra deep..	3 85
7½.	12 x 16	" "		" "	6 00
8½.	15 x 18	" "		" "	7 15
9B	18 x 22	" "		" "	8 25
9½.	19 x 24	" "		" "	9 55
10½.	21 x 26	" "		" "	12 00
0.	¼	Pint each, India Rubber Funnels.....			40
1.	½	" " " ".....			50
2.	1	" " " ".....			55
3.	1	Quart each, " " " ".....			60

BLACK JAPANNED DEVELOPING TRAYS,

MADE OF SELECTED METAL FOR DRY PLATE PHOTOGRAPHY.

Size.	Price, each.
4½ x 5½ inches.....	\$0 20
5½ x 8½ ".....	25
7 x 9 ".....	30
9 x 11 ".....	40
10 x 12 ".....	50
12 x 15 ".....	60
15 x 18 ".....	1 00
19 x 22 ".....	2 00
22 x 26 ".....	2 50

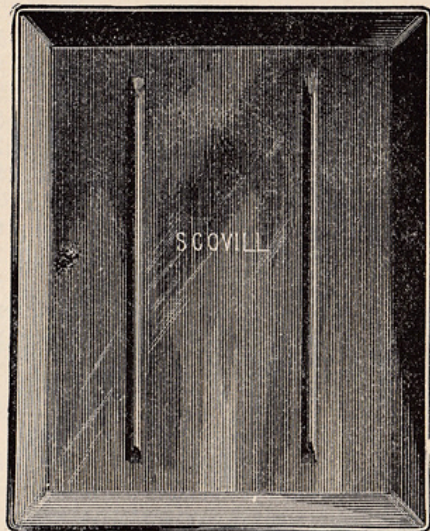


RUBBER GLOVES.

Just the thing to keep Silver off the hands.

	Sizes.	Per Pair.
Ladies' long,	Nos. 7, 8 and 9.....	\$1 50
" short,	" 7, 8 and 9.....	1 25
Gents' long,	" 12, 13 and 14.....	1 65
" short,	" 12, 13 and 14.....	1 35

SCOVILL'S GLOSSY RUBBER TRAYS.



After a protracted and costly series of experiments, we are now able to offer to our trade, a superior article in texture, durability and polish. The utility of the parallel ridgelets must at once be apparent to the photographic practitioner.

PRICE LIST.

Size.	Price each.
No. 200, $4\frac{3}{8} \times 5\frac{5}{8}$ for 1-4, 4-5, and $4\frac{1}{4} \times 5\frac{1}{2}$ plates.....	\$0 27
" 300, $5\frac{1}{2} \times 8\frac{1}{2}$ for 5 x 7 and 5 x 8	60
" 400, 7 x 9 for $6\frac{1}{2} \times 8\frac{1}{2}$	80
" 500, $8\frac{1}{2} \times 10\frac{1}{2}$ for 7 x 9 and 8 x 10,	1 30

HEAD RESTS.

THE "S. P. C." HEAD RESTS.

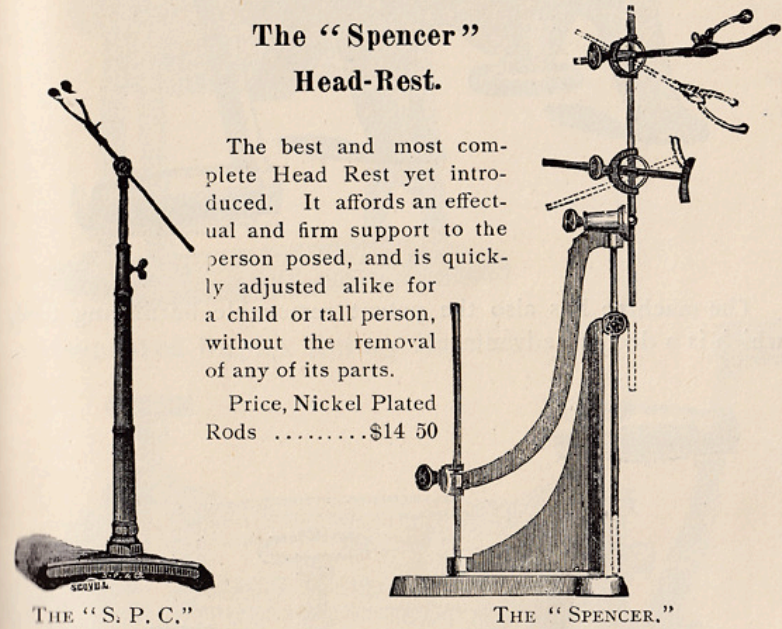
These are well made of first quality cast iron. The column is secured firmly by means of a strong wrought iron bolt passing through the base. All the thumbscrews are made of cast brass, which is stronger and more ornamental for this purpose than iron.

Tall, complete, each.....\$3 00 | Short, complete, each.... ..\$2 75
Back Supports, extra.....\$0 75.

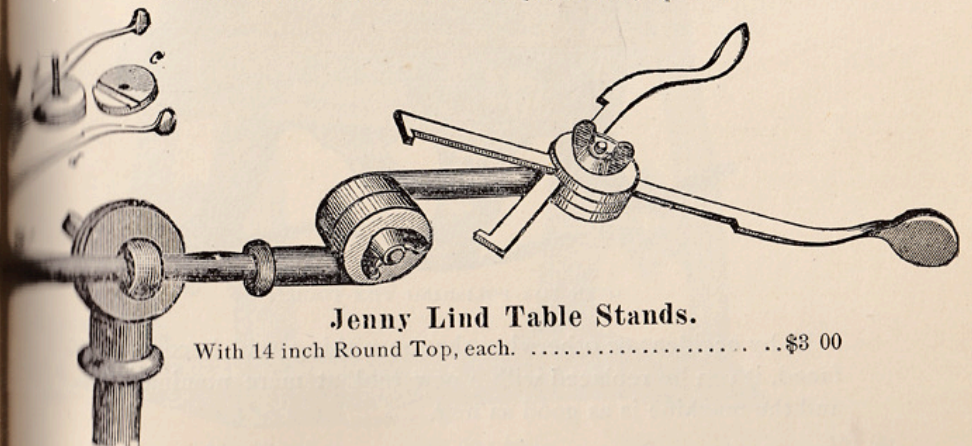
The "Spencer" Head-Rest.

The best and most complete Head Rest yet introduced. It affords an effectual and firm support to the person posed, and is quickly adjusted alike for a child or tall person, without the removal of any of its parts.

Price, Nickel Plated Rods\$14 50



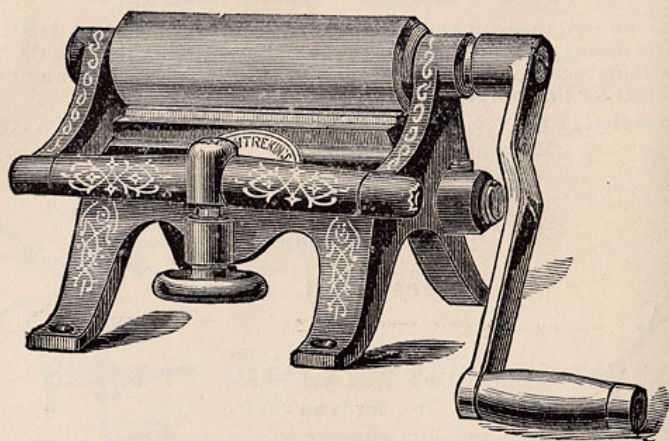
Scholten's Head-Rest Clips, each, \$2.50.



Jenny Lind Table Stands.

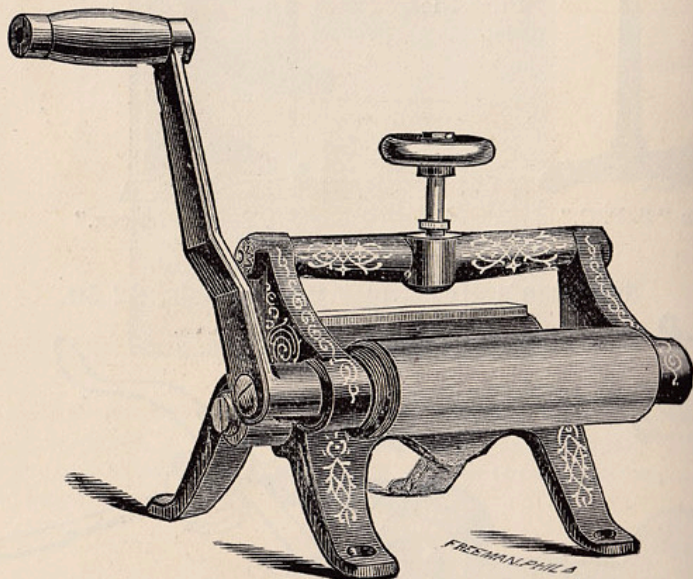
With 14 inch Round Top, each.\$3 00

EUREKA BURNISHERS.



CLOSED FOR USE.

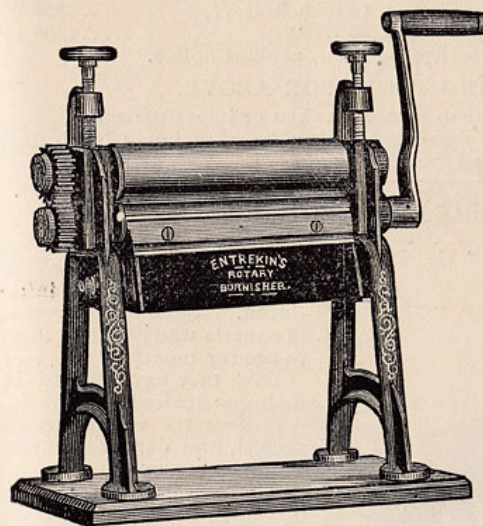
The machine has also the patent removable burnishing tool, which is a decided advantage.



OPEN FOR POLISHING THE TOOL.

If, by accident or otherwise, the burnishing tool becomes defaced, it can be replaced with a new tool at mere nominal cost, and the machine is as good as new.

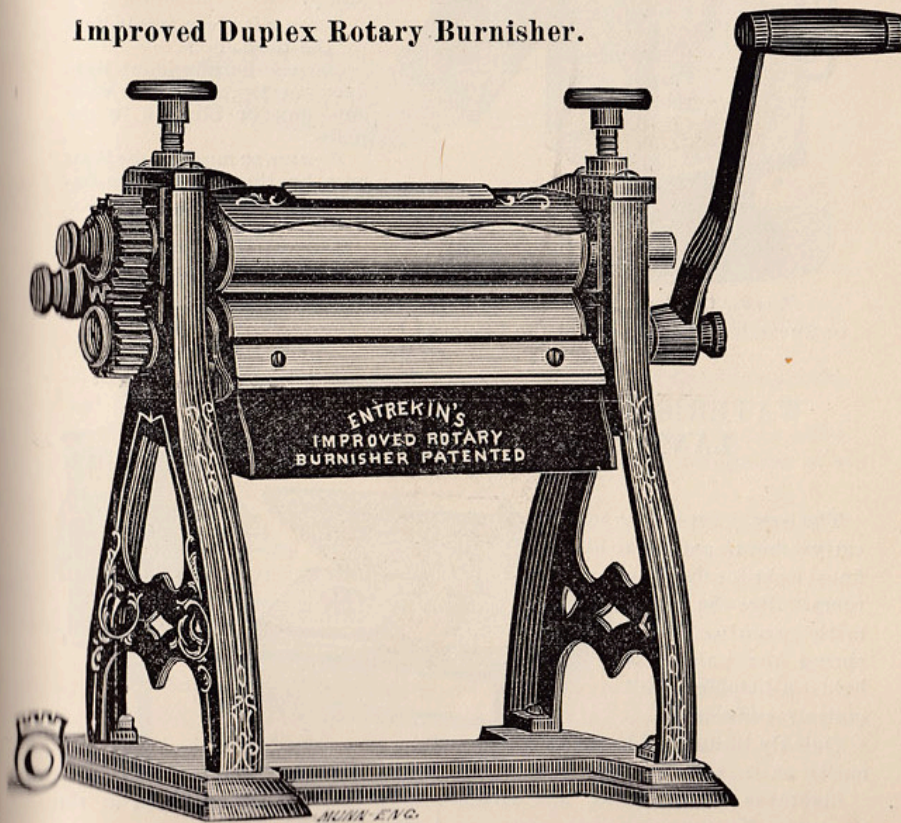
Duplex Rotary Burnisher, Old Style.



PRICES.

10 in.....	\$15 00
15 in.....	25 00
20 in.....	35 00
25 in.....	45 00

Improved Duplex Rotary Burnisher.



10 in.....	\$22 00		15 in.....	\$30 00		20 in.....	\$40 00		25 in.	\$50 00
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PRICES AS FOLLOWS:

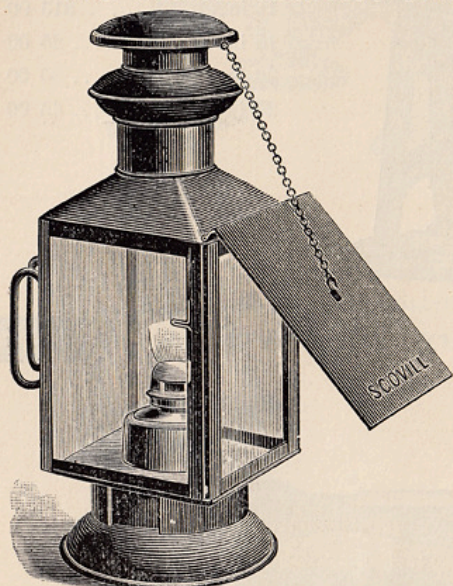
6 inch Roll.....	\$13 00	14 inch Roll.....	\$30 00
10 " ".....	20 00	20 " ".....	50 00

Sizes above 10 inches, to order, at short notice.

BURNISHING TOOLS FOR ABOVE.

We can only supply these to replace broken or imperfect ones. Each new burnisher is furnished with a lamp, cake of lubricator, emery cloth to polish tool, and instructions free.

The SCOVILL PEERLESS DARK-ROOM LANTERN.



"This is without question the best Lantern for the photographers' use yet introduced." Such is the report of experts who have had them in use for months.

Why they were agreed in their conclusions:

Because the ventilation is perfect, and danger of overheating overcome.

Because it is constructed so that white light does not escape.

Because it gives ample light for the dark-room.

Because the abundant light does not fog, but does show any spot or blemish in the plate.

Because so much of the light may be thrown into the developing dish and be shaded from the eyes.

Because it may be used either with coal oil or candle.

Because the flame may be so quickly controlled by unlatching the door or uncatching the bottom of the Lantern.

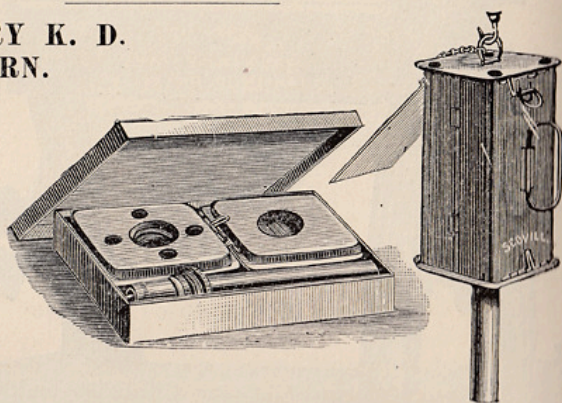
Price, \$2.50.

WATERBURY K. D. LANTERN.

The best Lantern to carry about, and the finest light for the dark room. By the automatic working of a spring the candle is held up in place until entirely consumed.

Quickly lighted and easily extinguished.

Lightness, compactness, and cleanliness commend the Lantern to the amateur. NO SMOKE, NO OIL, NO SMELL! Price, \$2.00.



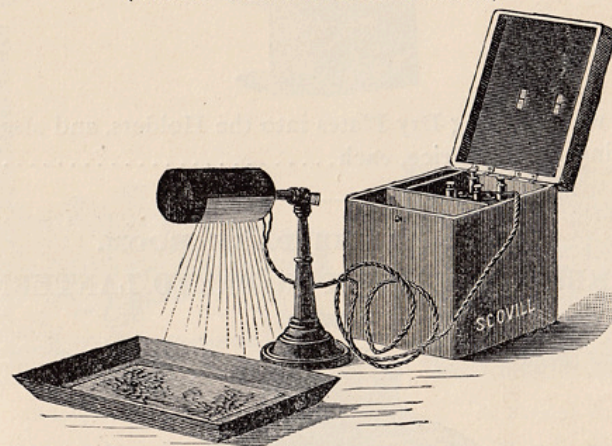
KEEP COOL.

KEEP COOL.



The Scovill Electric Dark-Room Lamp,

(WITH NON-ACTINIC SHADE.)



Good features never before combined for the dark room.

Light without heat.
" " danger of fire.
" " smoke or smell.

Pure air and ventilation for the dark room.

During the summer months light without heat is a consideration of the greatest importance.

It is not possible to thus hold any other light over the developing dish, and shade the eyes from the ruby light.

The lamp stand is straightened when holding the plate in the hand or plate-lifter to examine the progress made in the development of a plate.

Paper of other non-actinic colors than ruby may be put in the shade which can be taken off the lamp when white light is desired. As the lamp is so light in weight it may be freely moved about.

It will burn *continuously* for two hours without renewal of excitant, or for several days of ordinary use.

Price of Scovill Electric Dark-Room Lamp:

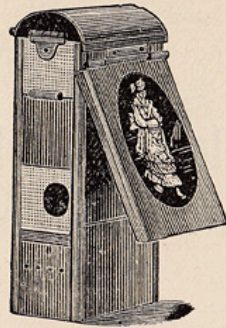
Three candle-power Lamp.....	\$7 00
Six " " " ".....	8 50

With Switch, add \$1.00 to price of either Lamp.

Manufactured under the patents of the Edison Co.

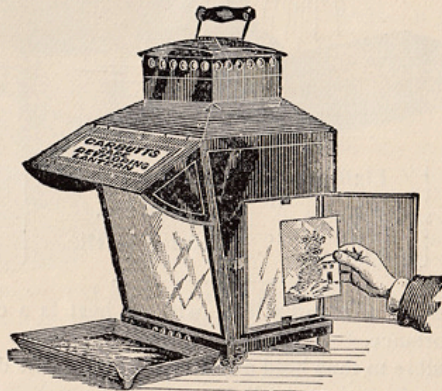
Directions for use accompany each lamp.

W. I. A. Ruby Light Lantern.



Used when putting Dry Plates into the Holders, and also when developing them. Price, each.....\$0 60

LIGHT IN THE DARK ROOM.
CARBUTT'S MULTUM IN PARVO LANTERN.



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

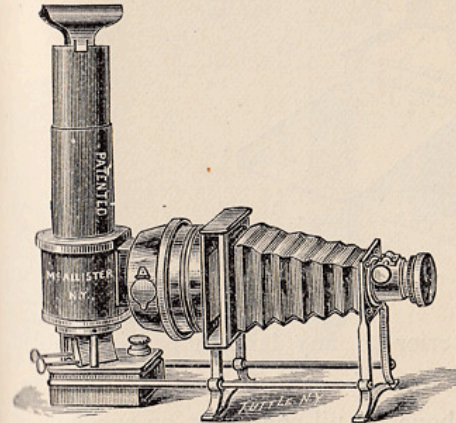
The following are some of the advantages possessed by this Lantern: It is simple and easy to manage, nothing complicated, yet has three separate and distinct forms of light, and can be used for seven or more different operations in photography. It is adapted for the use of either oil or gas; is provided 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 fuller descriptive circular sent on application.

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

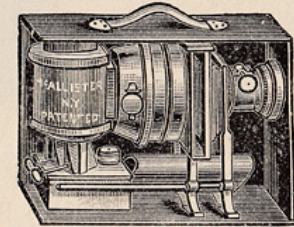
THE NEW YORK
MAGIC AND ENLARGING LANTERN.

THE NEATEST, LIGHTEST, AND MOST COMPACT MAGIC AND ENLARGING LANTERN, ADAPTED FOR OIL-LIGHT ILLUMINATION.

Price, . . . \$50.00.



READY FOR USE.



IN PACKING CASE.

Among the Advantages of the New York Magic and Enlarging Lantern are the following:

1. **Compactness and Portability.**—The entire apparatus weighing only 8½ pounds, and when packed in its Japanned Case, occupying a bulk of only 13x9x5½ inches.

2. **Capability as an Enlarging Lantern.**—In addition to its special use as a Magic Lantern, the NEW YORK LANTERN forms an admirable Enlarging Lantern for photographers, the negative taking the position of the Magic Lantern Slide, while the light afforded by the Biennial Lamp has proved most satisfactory for the purpose.

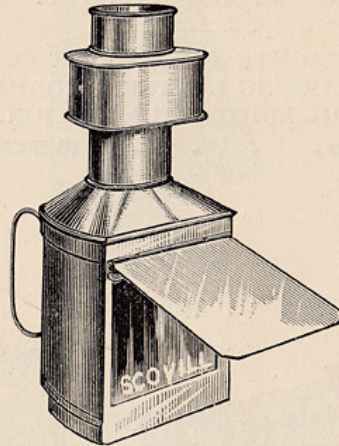
3. **Absence of Excessive Heat.**—In all the so-called portable magic lanterns heretofore made, the lamp has been enclosed in a case or hood, the air within which soon became very much heated, producing irregularity in the illumination, and making the surrounding air so hot as to be a serious inconvenience to the operator. In the NEW YORK LANTERN there is no case or hood surrounding the lamp; the heat, therefore, is immediately dissipated, without affecting the steadiness of the flame, and without inconveniencing the operator.

4. **No Loss of Light.**—All the light from the lamp is transmitted to the screen, the fittings being so tight as to prevent any light from passing out into the room, and thus detracting from the brilliancy of the picture on the screen.

5. **The Condensing Lenses** are of the finest quality, plano-convex, 4⅝ inches diameter, diffusing the light evenly over the entire area of the square photographic slides of standard size, which cannot be as well done with condensing lenses of smaller diameter.

6. **The Object Glasses are Achromatic,** yielding two magnifying powers, enlarging the slides distinctly of any desired size from 3 feet to 10 feet in diameter; rack adjustment for focusing.

The W. I. A. Petite Dry Plate Lantern



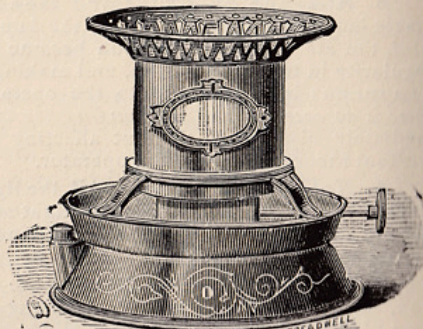
WILL be found quite superior to any lantern previously offered at a smaller price than the Scovill Peerless Lantern. It is much to be preferred above an oil-consumer, on account of safety and cleanliness. The light emitted is abundant, and the ventilation perfect. When not in use the chimney of this petite lantern may be taken off and placed inside over the candle.

Price, - - - \$1.25.

Coal Oil Stoves.

FOR PHOTOGRAPHERS.

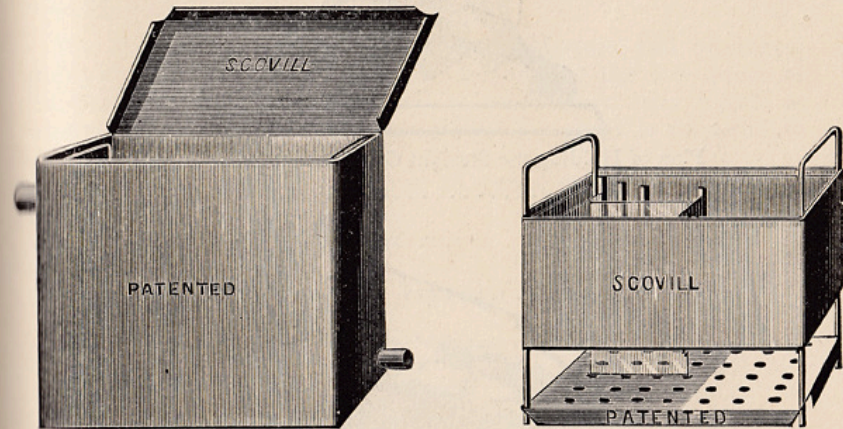
- No.
- 1, One Burner, 3 in. flame..\$1 80
- 2, Two " each 3 in. " 2 50
- 2½ " " " 3½ " 3 00
- 3, " " " 4 " 3 50



SUMMER QUEEN.

— O THE SCOVILL O —
NEGATIVE WASHING BOXES.

(PATENTED.)



The Scovill Negative Washing Boxes are now made, as shown in the above illustrations, so that plates may be taken out without putting the fingers in the washing water. 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.

PRICE LIST.

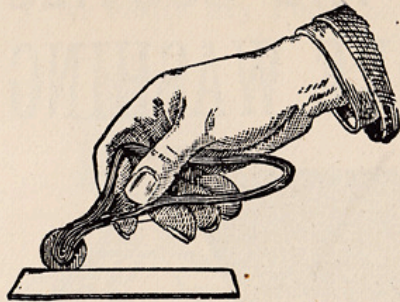
	EACH.
For 3¼ x 4¼ Plates.....	\$1.60
" 4 x 5 "	1.75
" 4¼ x 5½ "	1.90
" 4¼ x 6½ "	2.00
" 5 x 7 "	2.10
" 5 x 8 "	2.15
" 6½ x 8½ "	2.25
" 8 x 10 "	2.50
" 10 x 12 "	3.25
" 11 x 14 "	3.75
" 14 x 17 "	4.80

Scovill Adaptable Negative Washing Boxes.

(PATENTED.)

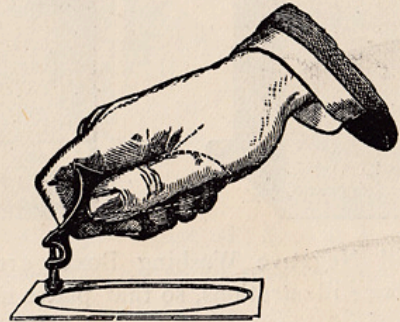
	EACH.
6 x 7, Adapted for 4x5 and 3¼x4¼ Plates.....	\$2.70
6 x 8, " " 4x5 and 3¼x4¼ Plates.....	2.75
6½ x 8½, " " 5x8, 5x7, 4x5 and 3¼x4¼ Plates	3.00
8 x 10, " " 6½x8½, 5x8, 5x7, 4x5 and 3¼x4¼ Plates.....	3.50
10 x 12, " " 8x10, 6½x8½, 5x8, 5x7, 4x5 and 3¼x4¼ Plates..	4.00
11 x 14, " " 8x10, 6½x8½, 5x8, 5x7, 4x5 and 3¼x4¼ Plates..	4.50

Robinson's New Model Photograph Trimmers.



Plan of Holding the Straight Cut Trimmer when in use.

Price.....\$0 50



Plan of Holding the Revolving Trimmer when in use.

Price.....\$1 00

Robinson's Photograph Trimmer is substituted for the knife for trimming photographs, and does the work much more expeditiously and elegantly. They save time, save prints, and save money.

They do not *cut*, but *pinch off* the waste paper, and leave the print with a neatly beveled edge which facilitates adherence to the mount. Try one, and you will discard the knife and punch at once. For ovals and rounded corners they are worth their weight in gold.

Robinson's Guides.

Made of sheet iron. We furnish to order the following regular sizes at 10 cents per inch the longest way of the aperture.

OVALS.

2 x 2 $\frac{7}{8}$	2 $\frac{5}{8}$ x 3 $\frac{5}{8}$	3 $\frac{1}{2}$ x 4 $\frac{7}{8}$	5 x 7	5 $\frac{3}{4}$ x 7 $\frac{3}{4}$	7 x 9
2 $\frac{1}{2}$ x 3 $\frac{1}{8}$	2 $\frac{7}{8}$ x 4 $\frac{1}{4}$	3 $\frac{5}{8}$ x 5 $\frac{1}{8}$	5 $\frac{1}{4}$ x 7 $\frac{1}{4}$	6 x 8	7 $\frac{1}{4}$ x 9 $\frac{1}{4}$
2 $\frac{3}{8}$ x 3 $\frac{1}{4}$	3 $\frac{3}{8}$ x 4 $\frac{3}{8}$	4 x 5 $\frac{3}{8}$	5 $\frac{1}{2}$ x 7 $\frac{1}{2}$	6 $\frac{1}{4}$ x 8 $\frac{1}{4}$	7 $\frac{3}{4}$ x 9 $\frac{1}{4}$
2 $\frac{3}{8}$ x 3 $\frac{3}{8}$	3 $\frac{3}{8}$ x 4 $\frac{3}{8}$	4 $\frac{3}{8}$ x 6 $\frac{3}{8}$	5 $\frac{3}{8}$ x 7 $\frac{3}{8}$	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	7 $\frac{3}{4}$ x 9 $\frac{1}{4}$

SQUARE OR ROUND CORNERED.

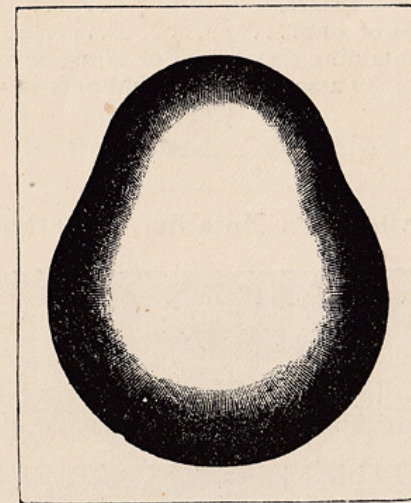
1 $\frac{1}{16}$ x 3 $\frac{3}{4}$	2 $\frac{5}{16}$ x 3 $\frac{3}{4}$	2 $\frac{1}{2}$ x 4 $\frac{1}{2}$	4 x 5 $\frac{5}{8}$
1 $\frac{1}{8}$ x 3 $\frac{3}{4}$	2 $\frac{5}{16}$ x 3 $\frac{1}{2}$	2 $\frac{7}{8}$ x 4 $\frac{5}{8}$	4 $\frac{1}{8}$ x 5 $\frac{7}{8}$
1 $\frac{1}{8}$ x 3 $\frac{1}{8}$	2 $\frac{3}{4}$ x 4 $\frac{1}{4}$	3 $\frac{7}{8}$ x 5 $\frac{1}{4}$	3 $\frac{7}{8}$ x 6
1 $\frac{1}{16}$ x 3	1 $\frac{3}{8}$		4 x 6 $\frac{1}{8}$

Arch Tops.	Round Cornered.	Round.
3 $\frac{1}{16}$ x 3 $\frac{3}{4}$, 3 x 3	3 $\frac{1}{16}$ x 3 $\frac{3}{4}$, 3 x 3	3 x 3

The above sizes suit the Collins Card Mounts, and photographers knowing that they can always be had at the low price of ten cents per inch, would do well to *make their sizes accord*, as orders can also be filled more quickly. Ten days is required to make special sizes.

Special sizes made to order at 15 cents per inch the longest way of the aperture.

Weymouth'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 15 $\frac{1}{2}$, for cabinets and 4-4 size, per doz.	1 00
Nos. 16, 17 and 18, for cabinet and half-size, per doz.....	1 25

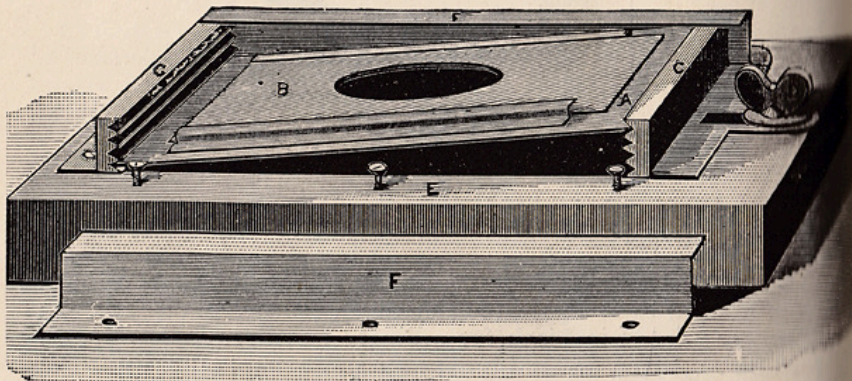
Cut-Outs or Medallion Masks.



FOR PRINTING PHOTOGRAPHS.

For Carte de Viste 3 sizes, per doz.....	\$0 15
“ Victoria, 1 size, “	20
“ Cabinet, 2 sizes, “	25
“ 4-4 Ovals, set of one.....	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

McDonald's Metallic Vignetter.



The latest and best attachment ever offered to the fraternity. Easily attached to ordinary printing frames. Can be changed to thirty different positions—any one of them in from 3 to 5 seconds. Will save your printer nine-tenths of his time in setting vignettes. The finest and most difficult effects can be produced as easy as the most simple. The card-board slides can be cut any desired shape or size. No photographer can afford to be

without them, for they will save time, labor and money, and gain a reputation for producing fine work. Order a sample.

PRICE LIST.

	Per Doz.		Per Doz.
For 2 1/4 x 4 1/4 size Frame..	\$4 80	For 5 x 8 size Frame..	\$6 00
“ 4 1/4 x 5 1/2 “ “ ..	6 00	“ 6 1/2 x 8 1/2 “ “ ..	7 20
“ 4 1/4 x 6 1/2 “ “ ..	6 00	“ 8 x 10 “ “ ..	7 20
“ 5 x 8 “ “ ..	6 00		

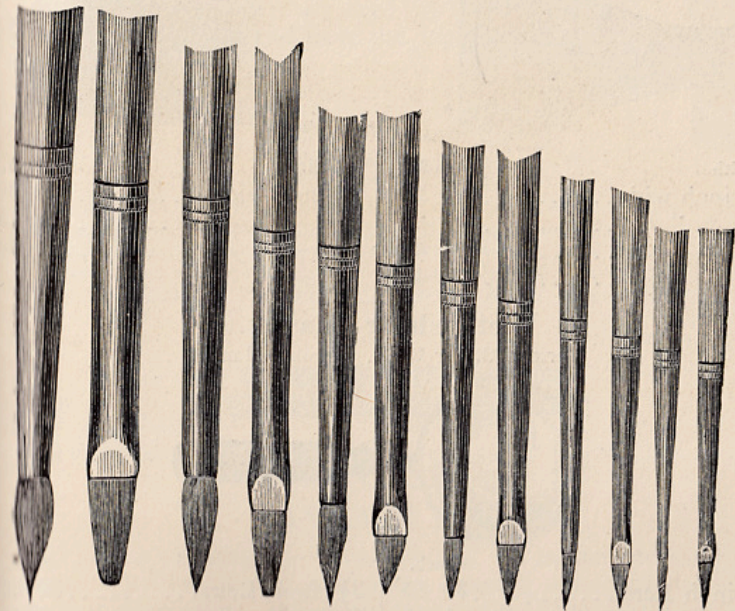
As a matter of convenience and taste we attach the McDonald Vignettors to American Optical Co.'s Printing Frames, which are conceded to be the most accurate and the finest finished of any in the market. The combined Vignetter and Printing Frame is put in a neat paper box.

PRICES ARE AS FOLLOWS:

	Each.
3 1/4 x 4 1/4 size Vignetter and Amer. Optical Co.'s Print. Frame,	\$1 05
4 1/4 x 5 1/2 “ “ “ “ “	1 17
4 1/4 x 6 1/2 “ “ “ “ “	1 20
5 x 7 “ “ “ “ “	1 30
5 x 8 “ “ “ “ “	1 30
6 1/4 x 8 1/2 “ “ “ “ “	1 40
8 x 10 “ “ “ “ “	1 60

RED SABLE BRUSHES.

In Tin Ferrules, Cedar Handles.



For fine Painting in Oil Colors, or for Coloring Ferrotypes.

Red Sable Brushes.

In Tin Ferrules. Cedar Handles.

For Fine Painting in Oil Colors, or for Coloring Ferrotypes.

No.	Each.	No.	Each.	No.	Per Doz.	No.	Per Doz.
1	\$0 10	7	\$0 21	1	\$1 08	8	\$3 00
2	11	8	25	2	1 25	9	3 50
3	12	9	30	3	1 42	10	4 00
4	13	10	35	4	1 58	11	4 67
5	16	11	40	5	1 83	12	5 33
6	18	12	50	6	2 15	1 to 6 ass'd	1 50
				7	2 50	1 to 12.....	2 50

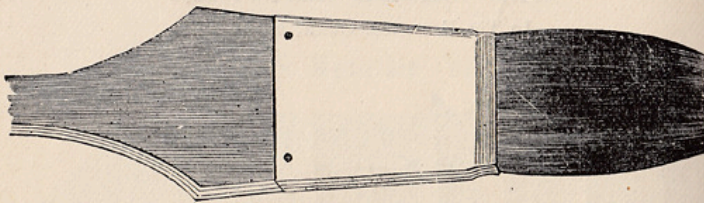
Flat Camel's Hair Brushes.

For Dusting Plates or Varnishing.

Width.	Each.	Width.	Each.
1 1/4 inch wide	\$0 20	2 1/2 inch wide	\$0 60
1 3/4 "	20	3 "	65
1 "	35	3 1/2 "	75
1 1/4 "	40	4 "	85
1 1/2 "	50	4 1/2 "	1 00
1 3/4 "	50	5 "	1 20
2 "	55		

Flat Bristle Brushes.

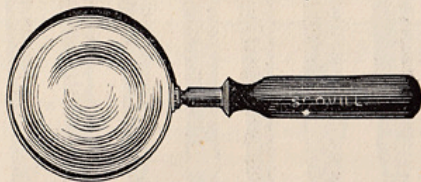
For Mounting or Varnishing.



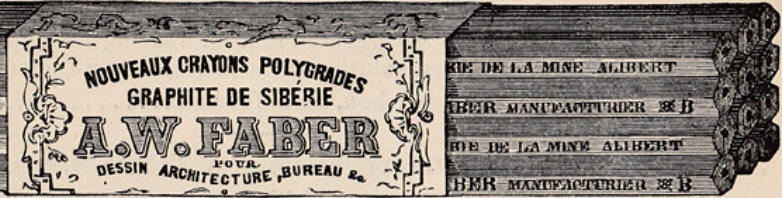
Width.	Each.	Width.	Each.
1 inch wide	\$0 20	3 inch wide	\$0 60
1 1/2 "	25	3 1/2 "	75
2 "	30	4 "	1 00
2 1/2 "	45		

Retouching Glasses.

German Silver Band. Ebony Handle.



	Each.		Each.
2 inch Lens	\$0 85	3 1/2 inch Lens	\$2 25
2 1/2 "	1 25	4 "	3 25
3 "	1 75	4 1/2 "	3 75

RETOUCHING PENCILS.

FINEST SIBERIAN.

Faber's, 1 to 4 B's, soft, each	\$0 15
" HB & F, Middling, each	15
" 1 to 4 H's, hard, each	15
The above, Hexagon, per doz.	1 25
Holders for Leads, each	25
Crowell's Metallic Leads, each	25

HANOVER RETOUCHERS.

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

Then dry with a gloss.

There are three dark tints matching the different shades of back grounds.

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.....\$0 50



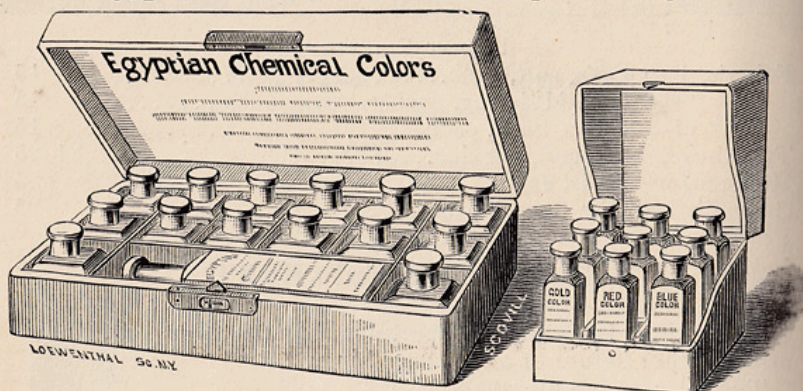
Lion Head India Ink, per stick	\$0 25
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ANILINE BLUE.

* CLEMONS' FORMULA.—Dissolve half an ounce of Water Blue Letter "R" in 16 ounces of water, keeping it properly labeled as your stock solution. When you make your Hyposulphite of Soda, or Fixing Bath, add 8 or 10 drops of the blue stock solution to

each 40 ounces of Fixing Bath. If you desire a *blue tint*, take the prints from the hypo. bath and immerse in a *saturated solution of alum*, leaving in a short time, then washing in clean water as usual. If color is *too deep* a blue after leaving the alum bath, immerse in a saturated solution of borax, which will lessen the tint. Water Blue "R," per box, with formula.....\$0 40

Egyptian Chemical Colors, Triple Strength.



Manufactured expressly for painting Photographic Views, etc. Also used in connection with the Egyptian Transparent Compound for producing the Egyptian Crystal Photograph. The most life-like picture in the world.

SPECIAL NOTICE.—All photographs colored on the face of the picture, and mounted on convex or flat glass, are done with these colors, under whatever name the picture may be called.

These Colors are put up in polished wooden boxes, labeled "Egyptian Chemical Colors." Each box contains the following colors: Transparent Black, Dark Emerald Green, Orange or Gold Color, Blue, Dark Brown, Light Green, Rose, Violet and Flesh.

For coloring Photographs, Engravings, Views, Maps, etc., these Colors cannot be excelled. In connection with Chinese White, the lace work, etc., can be brought out. These colors are used by all parties coloring photographs, under whatever name they call their picture or art, and are the only colors used for the above purpose that give entire satisfaction. Besides the above named colors, we have Terra Cotta, Cardinal Red, Salmon, Crimson, Vermilion, Lemon Yellow, Magenta, Stone, Royal Purple, etc., which we can sell by the single bottle. *Beware of imitations in paper boxes.* These colors are all put up in wood boxes and every box is labeled "EGYPTIAN CHEMICAL COLORS."

Architects will find these colors invaluable, as they can be used with pencil or brush.

These colors are indelible, and will not rub off or wash out.

N.B.—Full and complete instructions for the use of these colors and for making the EGYPTIAN CRYSTAL PHOTOGRAPH, accompany each set.

PRICE LIST OF COLORS.

No. 1 Size Box contains 14 one oz. (white glass) bottles of Colors and one six oz. bottle Compound for mounting Photographs on Flat or Convex Glass after it is colored. This is a lock box with nickel-plated lock and hinges highly polished, and will color five thousand Imperial Size Photographs. Price, \$6.00 per box.

No. 2, contains 9 ½ oz. (white glass) bottles of colors, polished wood boxes, price.....\$2 00

No. 3, contains 10 ¼ oz. (white glass) bottles of colors, polished wood boxes, price..... 1 50

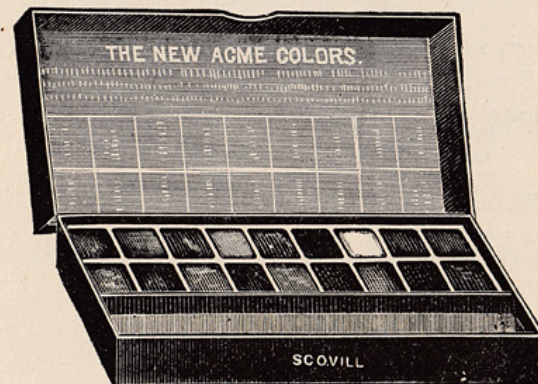
Egyptian Transparency Compound, per bottle, 75 cts.

LIQUID WATER COLORS,

FOR PHOTOGRAPHS.

Dresden, per box, 6 bottles.....\$1 00
Japanese Concentrated, per bottle..... 10

THE NEW ACME WATER COLORS,



are not a liquid, but are put up in cups in moist form, 18 Colors constituting a set. Seven of these are Surface, and eleven are Tinting Colors. They are more simple in application than Liquid Colors, MORE CONVENIENT, OF GREATER PERMANENCY, MORE POWERFUL, and are certainly the MOST ECONOMICAL, as they will neither freeze, precipitate or spill. In matters of permanency, quality and quantity they are unrivaled.

The artist will also find them admirably adapted for drawing and painting on silk, satin, or paper. The photographer will find them indispensable, not only for coloring purposes, but for spotting and covering up blemishes. There will be no trouble in burnishing over all the tinting colors. We could give many valuable testimonials as to the value of the Colors, but it is not deemed necessary.

Price of New Acme Water Colors.....per box, \$2 50
Orange Medium for Acme Gloss Compound..... 50
Any Tinting Color, in separate cups..... 20

Moist Cake Water Colors.

Containing the twelve most desirable colors, viz.: Vermilion, Chrome, Ultra, Light Red, Sepia, Cr. Lake, Bt. Sienna, Em. Green, Vandyke, Indigo, Gamboge, Cobalt. Very good for Photographs. Price, per box.....\$0 60

Dry Colors.

Anderson's Paper Boxes, fitted with 14 round boxes Colors, Gold Saucer, 4 Brushes, for Ferrotypes, per box.....	\$1 75
Wood Boxes, fitted with 8 bottles Colors, 3 Sable Brushes, 1 Duster and 1 Gold Saucer, for Ferrotypes, per box....	1 75
Separate Colors, each.....	10
Gold Saucers, medium, each.....	15
“ “ per doz.....	1 00
“ large, each.....	25
“ “ per doz.....	1 75
Silver Saucers, medium.....	15
Silver Ink (French's), for spotting out Ferrotypes, per cake,	35
India Ink, Lion's head, per stick.....	25

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.

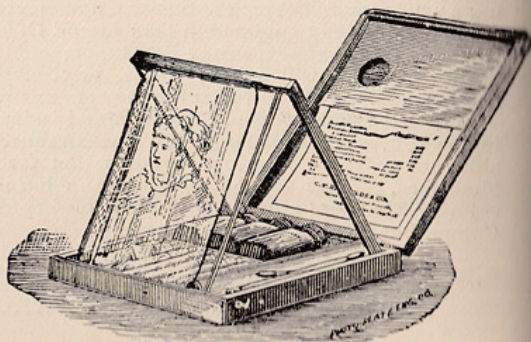
The lid and bottom of the box can be also used as an easel by placing the object in the grooves, the weight of the lid serving to hold the object.

No. 1 Box. Black Walnut

Size 8½x6½x1½ in.

Price, each, \$2.50.

- Containing:
- 1 Clamp Easel and Palette.
 - 9 Tubes of Oil Paints.
 - 1 1 oz. bottle Adhesive Preparation.
 - 1 1 “ Diaphanous Liquid.
 - 1 1 “ Drying Liquid.
 - 1 No. 1 Bristle Oil Color Brush.
 - 1 “ 2 “ “
 - 1 “ 2 “ Diaphanous Brush.
 - 1 Siberian Brush, for water colors.
 - 1 Camel's Hair Pencil.
 - 1 Smoothing Tool.
 - 6 Water Colors.
 - 1 Sheet Gummed Paper.
 - 1 “ Sand
 - 1 Pamphlet, Directions for the Art.



Patented July 17th, 1877.

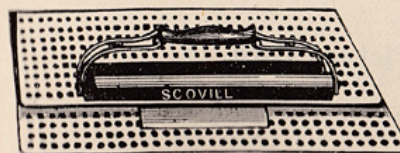
Calcined Flour for Retouching Negatives.



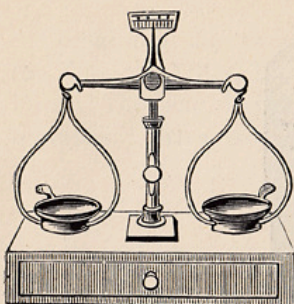
Calcined Flour.....per package, 25 cts.

Sundry Apparatus.

Britannia Alcohol Lamps, small flame.....	\$0 60
“ “ “ medium “.....	70
“ “ “ large “.....	1 25
Tin “ “ medium “.....	60
Shears, 9 inch, common.....	25
“ 9 “ medium.....	50
“ 9 “ good.....	1 00
“ best.....	\$1 50 to 2 50
Ormsbee's Photo. Washer.....	8 50
Troxell's Silver Erasive Soap, per cake.....	15
French Pipettes, each... ..	10
Porcelain Headed Nails, No. 9, per gross.....	2 80
Syphon Pumps, ¼x35, ½x40, 1¼x40, each.....	10 00
Suspending Rings, per thousand.....	2 50



Scales and Weights.



	5 inch beam, in wood or tin boxes...	\$0 65
	6 " " " " " " " "	85
	Scovill, on stand.....	7 50

Drapery Curtains.

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

No. 101.	Plain design, with border and fringe, each.....	\$4 00
" 112.	Figured " " " " " " blue tinted..	5 00
" 105.	" " " " " " orange " ..	5 00

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 40

Rubber Bands.

No. 9.	1 1/2 inches long..	Per Box of 12 Gross.	\$1 90
" 14.	2 " " " " " " " "		3 00

Worsted Picture Cord.

In 36 yard Bolts. Crimson, Scarlet or Green.

Nos.	0	1	2	3	4	5	6	7	8
Price, \$	0.30	.35	.45	.60	.75	.90	1.15	1.35	1.50

SILVER WIRE CORD.

25-YARD COILS.

No.		Price.	No.	Price.	
0.	Per coil.....	\$0 10	3.	Per coil.....	\$0 30
1.	" " " " " " " "	15	4.	" " " " " " " "	40
2.	" " " " " " " "	24	5.	" " " " " " " "	50

HOLDERS FOR WIRE CORD.

No. 0..	20c.	1..	25c.	2..	30c.	3..	35c.	4..	40c.	5..	45c.
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Albumen Paper.

If color is not specified, we will always send white.

DRESDEN.	{	THREE CROWN, N.P.A. and S.&M.	Single, Pink, Pensé or White, per dozen.....	\$0 75
			Extra Brilliant, White, Pearl, Pensé or Pink, per dozen.....	1 00
			Single, per ream.....	27 50
			Extra Brilliant, per ream.....	33 00
			Dresden, Violet Paper, enameled, per dozen.....	1 25
20 1/2 x 24 1/2	Saxe Extra Brilliant Paper, per dozen, white....	1 25		
20 1/2 x 24 1/2	" " " " " " pensé....	1 50		
26 x 40	" " " " " " " "	7 00		

Other Papers.

Leatherized Paper, per dozen.....	\$0 80
Med. Saxe Plain, per dozen.....	45
Endless Roll, 54 inches wide, per yard.....	30
" " " " " " " " Extra Heavy, per yard....	45
Litmus Paper, Blue or Red, per sheet.....	5
" " " " " " " " in books, per dozen.....	50
Post Paper, per dozen.....	25
Needle, " " " " " " " "	25

Onion Paper.

For Vignetting, etc., per dozen.....	\$0 25
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WHITE BLOTTING PAPER.

EXTRA HEAVY.

19 x 24, per dozen.....	\$0 75
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TISSUE AND STICKING PAPERS.

Joseph Paper, for cleaning the Plate Holder and absorbing the waste Silver, thereby protecting the holder, per quire.....	\$0 15
Tissue Paper, best English, for Vignetting, per dozen.....	25
“ “ (Yellow), for Dark Rooms, per dozen.....	10
Sticking “ best Dextrine, per dozen.....	25
“ “ “ per gross.....	1 75
Sheplie's Sticking Paper, per roll of 300 yards, $\frac{1}{2}$ in. wide..	60

Cepa Skin.

FOR VIGNETTING. VERY FINE.

Per dozen.....	\$0 25.
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Scovill's Ready-Sensitized Albumen Paper.

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

PRICE LIST.

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

To save loss, rolls are not broken.

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

S. P. C. Ferro-Prussiate Paper, for Making Blue and White Pictures.

Our brand **S. P. C.** is a sure index of superiority in texture, the paper is better wrapped than any other, and is noticeably free from spots, streaks or flaws.

This paper is extremely simple in its manipulation, and therefore very convenient for making proofs from negatives. It is also adapted for the reproduction of *Mottoes, Plans, Drawings, Manuscript, Circulars*, and to show representations of Scenery,

Boats, Machinery, etc., for an engraver to copy from. The rapidity with which a print can be made with this paper is, for numerous purposes, and to men in some occupations, a very great recommendation in its favor.

PRICE LIST.

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

To save loss, parcels are not broken. In full rolls of 11 yards each, 29 inches wide, \$5.00 per roll.

EASTMAN'S NEGATIVE PAPER.

This Negative Paper is adapted for landscape and interior work and for large portraits. For these purposes it is equal to glass in all respects, and has the important advantages of portability, freedom from halation, and economy. Full directions with every package.

CUT SHEETS.

3 $\frac{1}{4}$ x 4 $\frac{1}{4}$, two doz. in box, \$0 65	11 x 14, one doz. in box, \$3 50
4 x 5 “ “ 90	14 x 17 “ “ 5 50
4 $\frac{1}{4}$ x 6 $\frac{1}{2}$ “ “ 1 40	16 x 20 “ “ 7 25
5 x 7 “ “ 1 55	17 x 20 “ “ 7 75
5 x 7 $\frac{1}{2}$ “ “ 1 65	18 x 22 “ “ 9 00
5 x 8 “ “ 1 75	20 x 24 “ “ 12 00
6 $\frac{1}{2}$ x 8 $\frac{1}{2}$ “ “ 2 45	24 x 36 “ “ 20 00
8 x 10 “ “ 3 50	30 x 40 “ “ 27 50
10 x 12, one doz. in box, 2 60	

ON SPOOLS, TO FIT ROLL HOLDERS.

3 $\frac{1}{4}$ in. for two dozen 3 $\frac{1}{4}$ x 4 $\frac{1}{4}$ exposures.....	\$0 75
4 in. “ “ 4 x 5 “	1 00
4 $\frac{1}{2}$ in. “ “ 4 $\frac{1}{2}$ x 7 $\frac{1}{2}$ “	1 80
4 $\frac{3}{4}$ in. “ “ 4 $\frac{3}{4}$ x 6 $\frac{1}{2}$ “	1 55
5 in. “ “ 5 x 8 “	2 00
6 $\frac{1}{2}$ in. “ “ 6 $\frac{1}{2}$ x 8 $\frac{1}{2}$ “	2 70
8 in. “ “ 8 x 10 “	4 00
10 in. “ “ 10 x 12 “	6 00
11 in. “ “ 11 x 14 “	8 00
14 in. for one doz. 14 x 17 “	6 00
16 in. “ “ 16 x 20 “	8 00
17 in. “ “ 17 x 20 “	8 50
18 in. “ “ 18 x 22 “	10 00
20 in. “ “ 20 x 24 “	13 25
25 in. “ “ 25 x 30 “	20 00

Spoils wound with 3 or 4 dozen, if required.

EASTMAN'S AMERICAN FILMS.

Patented May 5, 1885.

The American Film consists of a film of *insoluble* sensitive gelatine emulsion attached to a paper support by means of a layer of *soluble* plain gelatine. The paper serves as a temporary support during the operations of exposure, developing, fixing and washing. After which the film is laid down on a prepared sheet of glass, the paper is removed by warm water which dissolves the soluble gelatine layer and leaves the film on the glass; the paper is then replaced by a varnish of thick gelatine and glycerine, dried, and the whole stripped from the glass ready for printing. Full details of the operations outlined are given in the printed directions enclosed in every package. We recommend these Films for use where a perfectly transparent negative is required, as in enlarging.

PRICES OF EASTMAN'S AMERICAN FILMS.

Size.	CUT SHEETS.	Per Package.
3 1/4 x 4 1/4	two dozen in package	\$0 70
4 x 5	" "	1 00
4 3/4 x 6 1/2	" "	1 50
5 x 7	" "	1 75
5 x 7 1/2	" "	1 90
5 x 8	" "	2 00
6 1/2 x 8 1/2	" "	2 80
8 x 10	" "	4 00
10 x 12	one dozen	3 00
11 x 14	" "	4 00

FILMS ON SPOOLS TO FIT THE EASTMAN-WALKER ROLL HOLDERS.

Size.	Price.
3 1/4 inch, for 24 exposures	3 1/4 x 4 1/4 .. \$0 85
4 " " "	4 x 5 .. 1 10
4 1/2 " " "	4 1/2 x 7 1/2 .. 2 00
4 3/4 " " "	4 3/4 x 6 1/2 .. 1 75
5 " " "	5 x 8 .. 2 20
6 1/2 " " "	6 1/2 x 8 1/2 .. 3 00
8 " " "	8 x 10 .. 4 50
10 " " "	10 x 12 .. 6 75
11 " " "	11 x 14 .. 9 00

Other sizes in proportion.

Pure Para Gum.

SOLUBLE—FOR TRANSFERRING EASTMAN'S FILMS.

Per package.....25 cts.

EASTMAN'S PERMANENT BROMIDE PAPER

MADE IN THREE VARIETIES.

A—Smooth surface, thin, for positive printing, copying drawings, etc., by contact.

B—Smooth surface, heavy, for enlargements and working in ink, oil and water colors.

C—Rough surface, heavy, for enlargements, plain, and for working in crayon, ink, water colors and oil.

All one price.

Our paper is uniformly and heavily coated by machinery with silver bromide, mixed with the least possible quantity of gelatine, to avoid curling, and to preserve the tooth of the paper for working with crayons.

We recommend the rough paper for plain enlargements and contact prints of all kinds on account of the fine artistic effects to be obtained.

Every batch of Bromide Paper is critically tested in our Enlarging Department. Absolute uniformity guaranteed.

Parties who have tried other makes of Bromide Paper and failed to obtain satisfactory results, are solicited to give this paper a trial.

A, B or C.—Cut Sheets.

Size.	Per Doz.	Size.	Per Doz.
3 1/4 x 4 1/4	\$0 25	11 x 14	\$3 00
4 x 5	40	12 x 15	3 35
4 1/4 x 5 1/2	50	14 x 17	4 50
4 1/4 x 6 1/2	55	16 x 20	6 00
4 3/4 x 6 1/2	60	17 x 20	6 40
5 x 7	65	18 x 22	7 50
5 x 7 1/2	70	20 x 24	9 00
5 x 8	75	22 x 27	11 25
6 1/2 x 8 1/2	1 10	24 x 30	13 50
8 x 10	1 50	25 x 30	14 00
10 x 12	2 25	24 x 36	16 00
10 x 14	2 65	30 x 40	22 50

Other sizes in proportion.

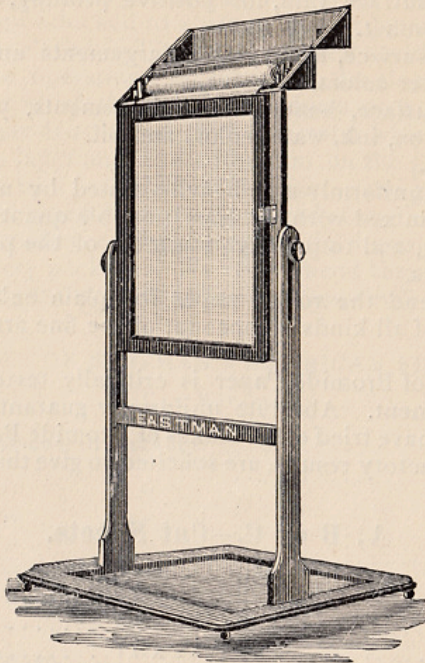
ON SPOOLS.

Patented May 5, 1885.

Per Yard.	Per Yard.
10 inches wide.....\$0 56	20 inches wide.... \$1 12
11 " " .. 62	22 " " .. 1 24
12 " " .. 68	24 " " .. 1 35
14 " " .. 79	25 " " .. 1 40
16 " " .. 90	30 " " .. 1 68
18 " " .. 1 00	31 " " .. 1 74

Not less than 10 yards on a spool.

EASTMAN'S ENLARGING EASELS.
WITH SPOOL HOLDER.

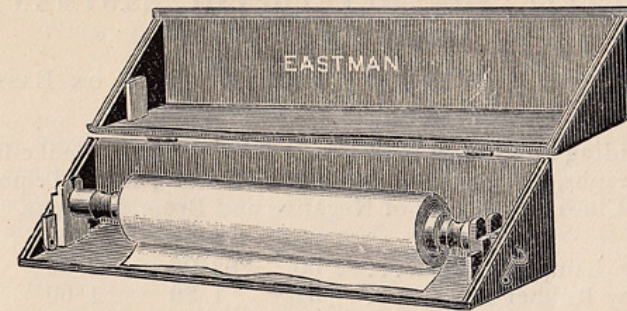


Patented May 5, 1885. Other Patents applied for.

				Price Complete.
No. 1—	For Spools up to and including 11 inches.....			\$7 50
" 2	" " " " 16 "			10 00
" 3	" " " " 22 "			12 50
" 4	" " " " 25 "			15 00

The above apparatus is for use with either natural or artificial light enlarging cameras or with the magic lantern and consists of an easel made to stand upon the floor and a Spool Holder fixture, which holds the roll of Permanent Bromide Paper. For use the paper is drawn down like a curtain and fastened on the face of the easel by a hinged frame, which, when in place, serves as a guide for registering the image correctly. After exposure, each length is cut off and a fresh piece pulled down. When not in use the Spool of paper is enclosed light-tight in the holder. Each easel is accompanied by one spool holder. If it is desired to use several widths of paper on the easel, extra spool holders which are interchangeable) are employed.

Extra Spool Holders.



One Spool Holder accompanies each easel ; where it is desired to make several sizes of enlargements, extra holders may be employed for each width of paper, or for several widths, as desired. These holders are all made interchangeable. Small sizes will fit on the large easels. Each holder is provided with a brake that bears on the back of the paper and prevents unwinding.

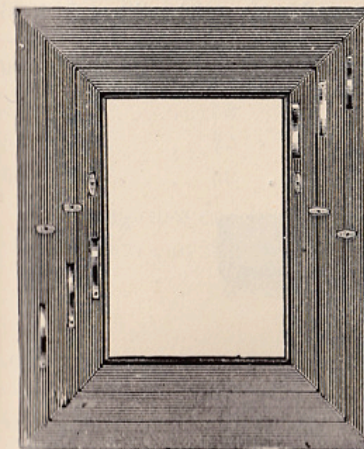
The spools of Permanent Bromide Paper for these holders are put up for the market in light-tight straw-board boxes.

Extra Spool Holders are a great convenience, as they obviate the necessity of unwrapping and re-wrapping paper.

PRICES OF EXTRA SPOOL HOLDERS.

						Price
No. 1	will take spools for paper up to 11 inches wide.....					\$2 00
" 2	" " " " 16 "					2 50
" 3	" " " " 22 "					3 00
" 4	" " " " 25 "					4 00

Kits for Enlarging Easels.



Outside.	Inside.	Price.
25x30.....	22x27.....	\$1 50
22x27.....	20x24.....	1 40
20x24.....	18x22.....	1 30
18x22.....	16x20.....	1 20
16x20.....	14x17.....	1 00
14x17.....	11x14.....	80
11x14.....	10x12.....	66
10x12.....	8x10.....	60

These Kits are made to nest one into the other, and they are provided with buttons for fastening in place ; also spring clips for holding Eastman's Film Carriers for cut sheets.

**OUTFIT FOR DEVELOPING EASTMAN'S
NEGATIVE PAPER**

AND EASTMAN'S FILMS, AND MAKING POSITIVES ON EASTMAN'S
PERMANENT BROMIDE PAPER.

Including all apparatus and material necessary to make finished
photographs, except the Camera, Roll Holder, Lens, Tripod, Fo-
cusing Cloth and supply of Negative and Bromide Paper.

	4 x 5	5 x 8	6½ x 8½	8 x 10
1 Ruby Lamp.....	\$2 00	\$2 00	\$2 00	\$2 00
2 Glossy Rubber trays.....	54	1 20	1 60	2 60
1 Agate Pan.....	1 00	1 25	1 25	1 60
1 Graduate.....	35	35	35	50
1 Minim Glass.....	25	25	25	25
1 Bottle Developer.....	50	50	50	50
1 Oz. Bromide Potassium...	25	25	25	25
1 Lb. Hyposulphite Soda...	10	10	10	10
1 " Alum.....	10	10	10	10
1 " Proto Sulph. Iron....	10	10	10	10
1 " Oxalate Potash.....	40	40	40	40
1 Package French Chalk....	10	10	10	10
2 Oz. Sulphuric Acid.....	25	25	25	25
1 Bottle Rubber for Films..	25	25	25	25
1 " Gel. Varnish " ..	25	25	25	25
1 Sheet Hard Rubber.....	10	20	30	40
1 Squeegee.....	40	40	50	50
1 Bottle Translucine.....	35	35	35	35
1 Flat Printing Frame.....	55	70	70	85
1 Paste Brush.....	5	5	5	5
1 Pot Paste.....	25	25	25	25
1 Dozen Mounts... ..	25	30	40	50
	<u>\$8 29</u>	<u>\$9 50</u>	<u>\$10 30</u>	<u>\$12 05</u>
Price complete, boxed.....	\$7 50	\$8 70	\$9 30	\$11 00

SQUEEGEES.



VELVET RUBBER.

6 inch.....	40 cents.	8 inch.....	50 cents.
12 inch.....	75 cents.		

Squeegees are used to scrape off the water from the paper
negative when laid on the rubber plates to dry.

OUTFIT FOR COPYING DRAWINGS.

WITH EASTMAN'S "A" BROMIDE PAPER.

	5½	4	5	6½	8	10	11	10	14	20
	x	x	x	x	x	x	x	x	x	x
	4½	5	8	8½	10	12	14	15	17	24
1 Printing Frame.....	55	55	70	70	85	1 15	2.60	3.30	3.60	6.40
1 Glass for Frame.....	10	10	15	20	20	25	25	25	50	1.00
6 Sheets yellow paper..	15	15	15	15	15	15	15	15	15	15
2 Japanned Trays.....	40	40	50	70	80	1.00	1.20	1.20	2.00	5.00
1 Grass Graduate.....	50	50	50	50	50	50	50	50	50	50
1 Minim Glass.....	25	25	25	25	25	25	25	25	25	25
1 lb. Oxalate Potash....	40	40	40	40	40	40	40	40	40	40
1 lb. Proto Sulph. Iron,										
chem., pure.....	50	50	50	50	50	50	50	50	50	50
1 lb. Hypo Sulph. Soda.	10	10	10	10	10	10	10	10	10	10
¼ lb. Citric Acid.....	25	25	25	25	25	25	25	25	25	25
1 oz. Bromide Potass...25	25	25	25	25	25	25	25	25	25	25
1 doz. Per. Bro. Paper,										
"A" or "B,".....	25	40	75	1.10	1.50	2.25	3.00	2.85	4.50	9.00
Price Boxed.....	\$3.70	3.85	4.50	5.00	5.75	7.05	9.45	10.00	13.00	23.80

The above list comprises everything necessary to make copies
of drawings with our Permanent Bromide Paper.

An ordinary Patent Office drawing on thick Bristol board, may
be copied in five seconds in ordinary light. No previous knowl-
edge of Photography required. Full instructions with each
outfit.

HARD RUBBER PLATES.

FOR DRYING PAPER NEGATIVES.

	1/8 in. thick.	1/8 in. thick.	
4 x 5.....	10 cents each.	8 x 10.....	40 cents each.
5 x 7.....	18 "	10 x 12.....	60 "
5 x 8.....	20 "	11 x 14.....	75 "
6½ x 8½.....	30 "		

One Negative can be squeegeed upon each side of the rubber
plate, which can then be placed in an ordinary plate rack to dry.

TRANSLUCINE.

A new material for rendering paper negatives translucent, with-
out the aid of heat. Put up in corked bottles. Inodorous, and
has simply to be rubbed onto the back of the negative and wiped
off with a cloth. Price, 35 cents per bottle.

Filter Paper.

BEST ROUND GRAY.

No.	Price.	No.	Price
19 Per pack of 100 sheets,	\$0 30	40 Per pack of 100 sheets,	\$0 65
25 " " " "	35	45 " " " "	75
33 " " " "	55	50 " " " "	90
Best Square white, large, per quire.....			30

Negative Preservers.

1 For Negatives	3 1/4 x 4 1/4,	per 100.....	\$0 35
2 " "	4 1/4 x 5 1/2	"	40
3 " "	4 1/4 x 6 1/2	"	50
4 " "	5 x 8	"	60
5 " "	6 1/2 x 8 3/4	"	70
6 " "	8 x 10	"	85
7 " "	10 x 12	"	1 60
8 " "	11 x 14	"	2 00
9 " "	14 x 17	"	3 00

They consist of an Envelope made of strong, thick paper, one end open, and cut to admit of removing the negative, and having on one side three printed lines for the number, name and remarks.

DOUBLE PEBBLE MATS.

ASSORTED COLORS. OPENINGS OVAL, SQUARE AND ARCH.

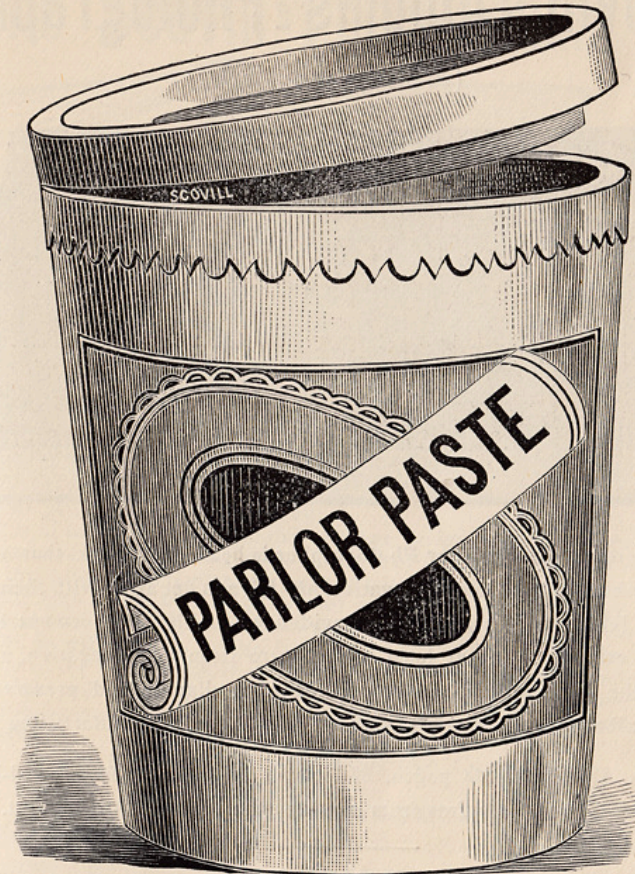
	Per 100.	Per Doz.		Per 100.	Per Doz.
6 1/2 x 8 1/2.....	\$1 75	\$0 24	16 x 20	\$9 00	\$2 00
8 x 10	1 75	24	18 x 22	12 00	2 50
10 x 12	2 75	36	20 x 24	12 50	3 00
11 x 14	5 00	75	22 x 28	16 25	3 60
14 x 17	7 50	1 15			

GRAY ENGLISH MATS.

GRAY ENGLISH BOARD WITH GILT BEVEL OPENING.

	Per 100.	Per Doz.		Per 100.	Per Doz.
8 x 10.....	\$6 00	\$0 50	16 x 20	\$14 25	1 85
10 x 12	7 50	75	18 x 22	19 00	2 35
11 x 14	7 45	1 00	20 x 24	21 25	2 65
14 x 17	13 10	1 65	22 x 28	23 75	2 95

PARLOR PASTE.



1/2 pint Jar.....	\$0 25	1 quart Bottle.....	\$0 55
1 " "	45	1 gallon.....	2 00
1 quart "	65	1/2 "	1 00
1 pint Bottle.....	35		

This Paste is the only really good paste sold ready prepared for mounting photographs. It will not sour, mold or separate; and is always ready for use. When emptied, you can use these jars for putting up fruit, as good as any.

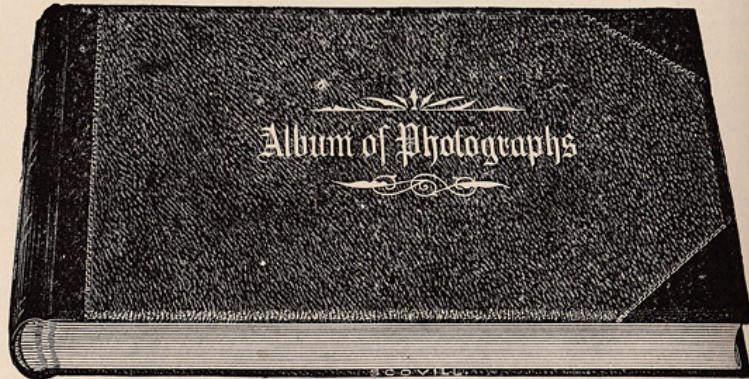
GELATINE.

The agency for the sale of the Gelatine products of CH. W. HEINRICH and NELSON, DALE & CO., has been placed in our hands, and we beg to direct your attention to the following quotations:

	Per lb., Net.
Heinrich's Celebrated Gelatine.....	\$1 50
F. Drescher & Co.'s Celebrated Gelatine.	1 50
Nelson's No. 1 Photo. Gelatine, shred, in 1/2 lb. parcels.....	1 50
" " 2 " " " " in 1/2 "	1 00
" " 3 " " " " sheets, in 1 "	65
" X Amber Photo. " loose. in cases, 112 lbs.....	1 20
" Special X Patent Opaque, loose.....	2 50

Scovill's Albums FOR Photographs.

(NEW STYLE.)



How often the Amateur Photographer is heard to remark, that as fast as he makes prints from a negative his friends get away with them, and none are left to be treasured up as evidences of his advancement in the art. In order to keep at least one picture from each negative, and to arrange the collection in the best manner for display and preservation, tasteful albums have been introduced by the Scovill Manufacturing Co.

Each Album has 48 pages, 24 leaves. In them the finest card-board only is used, chemically free from anything that could injure a print.

PRICES:

For Photo. (size)....	4x5	5x8	6½x8½	8x10	11x14
Size of Card.....	6x7	7x10	10x12	11x14	14x17
Plain.....	\$1.15	1.40	2.00	2.25	4.50
With Prepared Surface...	1.35	1.75	2.75	3.00	
With Gilt Lines.....	1.65	1.90	2.50	2.75	

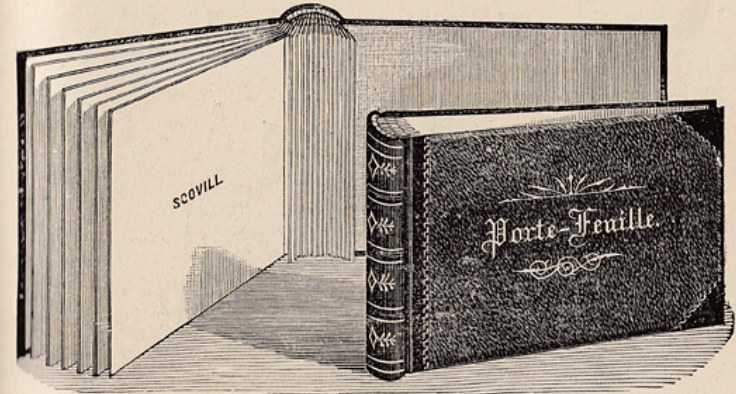
Scovill's Recherché View Albums,

WITH ADHESIVE SURFACE.

PREPARED FOR MOUNTING PRINTS.

	6x7	7x10	10x12	11x14
Each.....	\$1.35	1.75	2.75	3.00

The Scovill Porte-Feuille



Is a device for the preservation, in convenient form, of cards upon which photographic prints have been mounted.

A series of muslin holders, bound between covers with patent flexible backs constitute a book having great strength of binding combined with a flexibility that allows the book to be opened flat without strain. Prints can thus be put into book form, readily and securely, after they have been mounted and also (when desired) burnished. The insertion of the cards is very simple, as will be seen by the directions which follow: To the inner faces of one of the holders apply enough paste to attach the card securely; not so much as will smear the exposed face of the card; then insert the card and rub down on both sides; allow the paste to dry before putting in another card.

Do not put the Paste on the Card.

PRICE LIST OF PORTE-FEUILLE,

Including Twenty-five Sheets of Collins' Best Quality White Cards.

No. 1, Outside dimensions, 7 x 10 for 5 x 8 Photographs.....	\$1 45
" 2, " " " 10 x 12 for 6½ x 8½ "	2 00
" 3, " " " 11 x 14 for 8 x 10 "	2 40

Price List of Porte-Feuille, including 25 Sheets of Collins' White Muslin-Back Cards.

No. 4, Outside dimensions, 7 x 10 for 5 x 8 Photographs.....	\$1 30
" 5, " " " 10 x 12 for 6½ x 8½ "	1 90
" 6, " " " 11 x 14 for 8 x 10 "	2 30

Price List of Cards per package of 25, not including Porte-Feuille.

COLLINS' BEST WHITE CARDS.

7 x 10.....	\$0 45	10 x 12.....	\$0 70
		11 x 14.....	\$0 88.

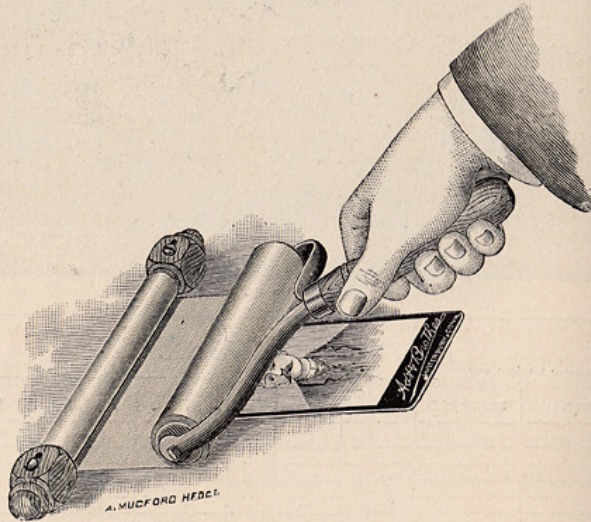
COLLINS' WHITE MUSLIN-BACK CARDS.

7 x 10.....	\$0 30	10 x 12.....	\$0 60
		11 x 14.....	\$0 80.

Collins' White Muslin-Back Cards, in Rolls, 22 inches wide, 14 cts. per yard.

The ADT PATENT PRINT MOUNTER.

THIS IMPROVEMENT SIMPLIFIES THE MOUNTING
OF PHOTOGRAPHIC PRINTS.



The Adt Patent Print Mounter

Consists of a spring roller, to which is attached a handle, and upon which is wound a band of fine cotton cloth, one end of the band being fastened to a rod which is screwed to the mounting table.

After the pasted print has been placed upon the mount, the roller is drawn over the print, as shown in the cut, the spring roller drawing the cloth band perfectly tight, and re-winding it when the roller returns.

The uniform pressure of the roller removes all the air from under the print and presses it securely to the mount.

It absorbs the moisture from the surface of the print, leaving it perfectly smooth.

It will not displace the print, the roller being held in place by the tension of the spring on the band.

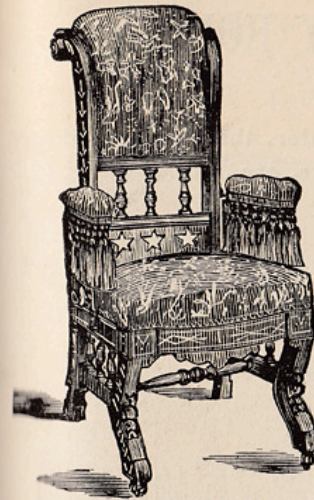
The band is of sufficient length so that when, in time, a portion of it becomes soiled, it can be wound upon the removable rod, which is fastened to the table, thereby exposing a clean surface.

When the entire band becomes soiled it may be removed, washed, and replaced.

The ADT MOUNTER is made in a substantial manner.

It saves a vast amount of time and labor, and does the work better than by any other method.

Price, each, - - - - - \$1.50.

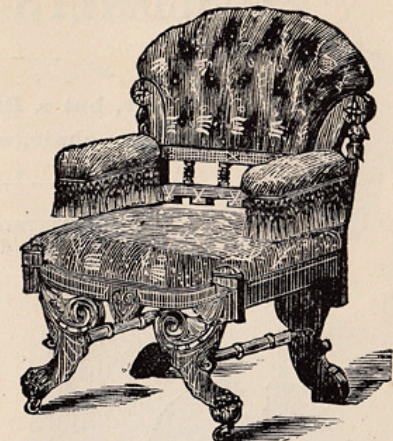


PHARAOH CHAIR.

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 silk covering. **PRICE, \$18.00.**



ROMAN CHAIR.

Has a prominent carved front, and back arms can be raised and 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, Raminie covering, good colors. **PRICE, \$18.00.**

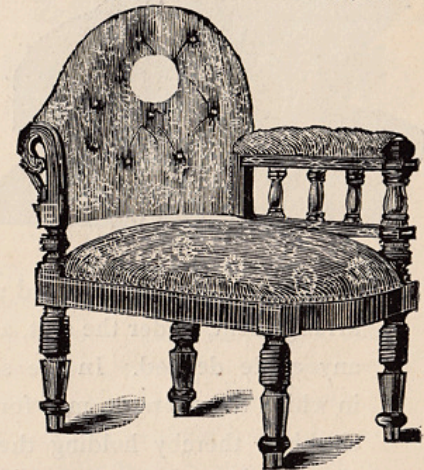


TURKISH CHAIR.

The design and art of upholstering is to slope the back and the seat down to give room for the legs. The back is so curved to assist the child in getting good positions for children. Figured silk covering; colors especially selected to suit the taste. **PRICE, \$16.00.**

GRECIAN CHAIR

A very attractive modern design, elegantly upholstered; has removable arms, spring seat, and a tilted back, spun silk covering. **PRICE, \$18.00.**



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 to its usefulness, and the back is so curved to hold a child comfortable; the seat stands twenty inches high; covering selected to take easy. **PRICE, \$16.00.**

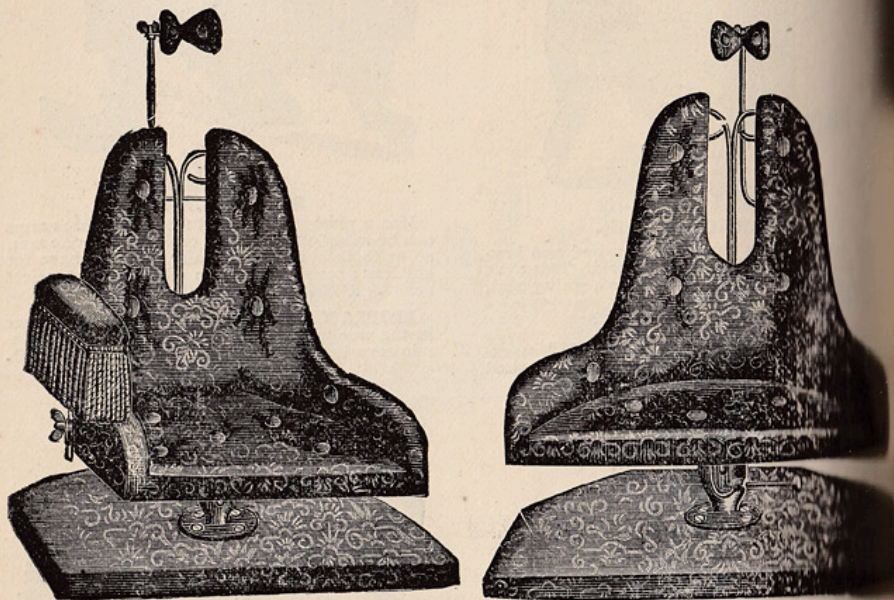
SLIDING ARM CHAIR.

The pioneer of Photographic Chairs. Green Terry covering, six inch fringe. **PRICE, \$8.00.**

↔ BALDWIN'S BABY HOLDER. ↔

Not a Baby Chair, but a Baby Holder, that can be placed in any chair, on a table, etc., etc.

PATENTED JUNE 30, 1885.

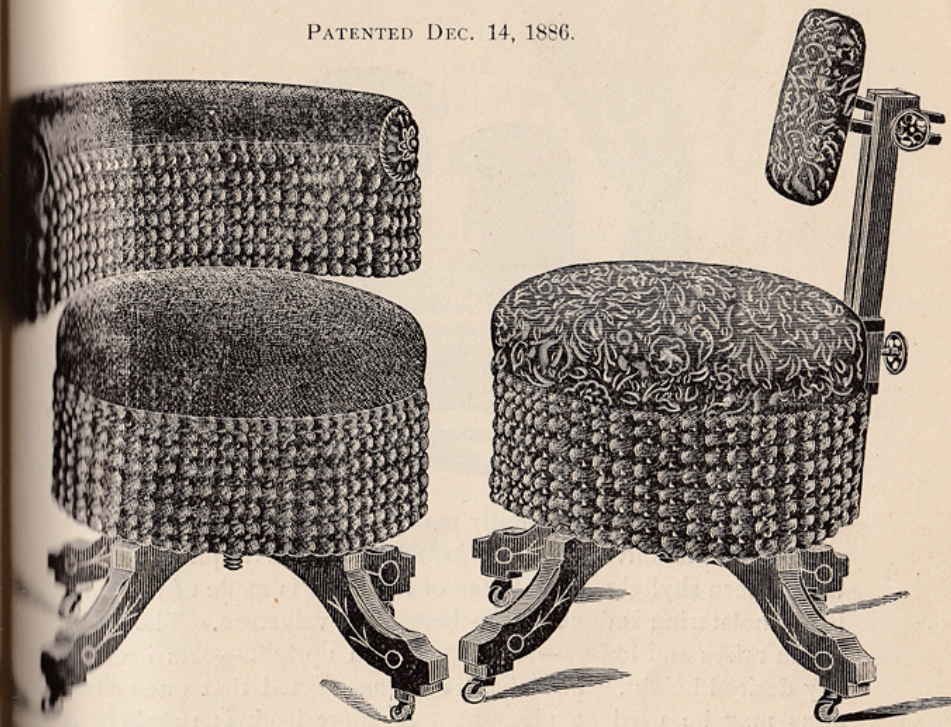


The holder is arranged with flat base—no legs. A tilting arrangement, under the seat, allows the adjustment of the seat to any angle desired. In the slot in the back is a spring clamp, in which the operator may force a portion of the child's dress or clothing, thereby holding the baby firmly in position without further assistance. Arms can be adjusted to either or both sides by an adjustable clamp.

Without arms, in plain or figured terry cover, japanned trimmings
 each 00
 Without arms, in drab velveteen cover, nickel-plated trimmings,
 each..... 10 00
 Arms, with attachments, either style..... 1 00

↔ THE "QUEEN" POSER. ↔

PATENTED DEC. 14, 1886.



This represents the Plush or Velveteen Cover and Large Adjustable Arm for general posing.

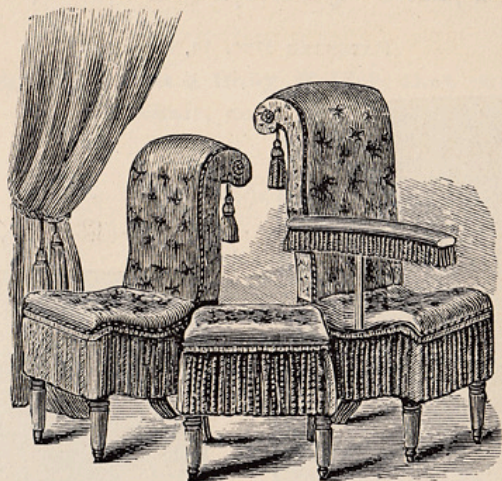
This cut represents the "Raw Silk" Cover and Adjustable Back Rest.

This is one of the latest and a very useful chair for the operating room, as it comprises in one piece of furniture a very desirable chair for posing for bust pictures; together with an ornamental arm rest, or back, of a new and tasteful design, for figure posing of subjects of any size or age. The back rest can be moved instantly, up or down, forward or backward, or given any desired angle, at will. The seat revolves on an elevating screw, enabling the positionist to get any desired height of seat, as well as to turn his subjects at will. The semicircular back is new and rich in design, and the whole constitutes just what is essential in every well-regulated operating room.

In imitation raw silk, complete, each..... \$12 50
 In drab velveteen, complete, each..... 14 50
 In mohair plush, plain or embossed, complete, each..... 16 50

If wanted for bust posing only, we will deduct for the large semicircular arm: Raw silk, \$2 50; velveteen, \$3 00; plush, \$3 50.

Scovill's 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 upholstery is done in the best drab velvet. 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

Artificial Ivy.

Natural Green. Per yard.....	\$0 25
------------------------------	--------

East India Grass Mats.

3 feet x 6 feet. Each.....	\$1 00
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Linen Grass Mats.

2 x 4 size.....	each, \$2 00
2 x 5 ".....	" 2 50
2 x 6 ".....	" 3 00

Fichus.

Lace Scarfs for the operating room, each.....	25
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DEVELOPERS AND CHEMICALS IN SOLUTION

TRANSPORTED SAFELY IN

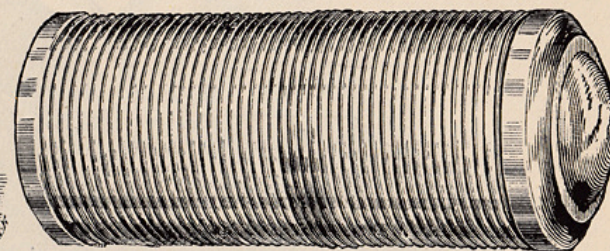
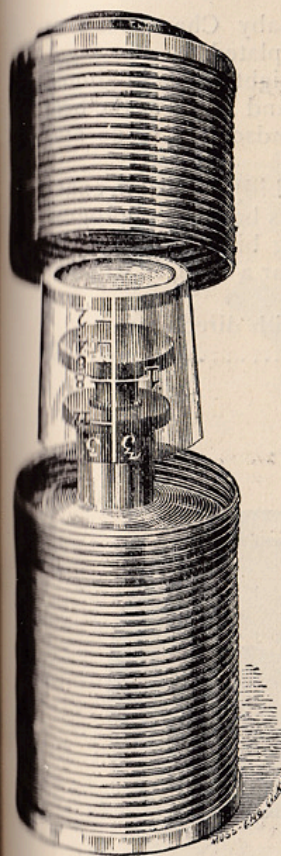
CORRUGATED PROTECTING CASES,

Supplied with Cut Glass Bottles, and Graduated Tumbler to Measure Liquids.

CORRUGATED PROTECTING CASES are a great convenience to the landscape Photographer and amateur picture-taker when away from home. Though made of thin metal, the corrugation makes them so strong as to resist crushing. Being nickled and finely finished, the external appearance of these Cases is

DECIDEDLY TASTEFUL,

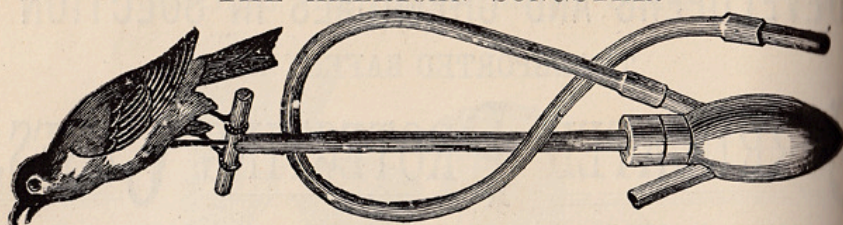
indeed, one would be more inclined to place them in a satchel than in a packing case. Whether carried about in a horizontal or vertical position, the locking ring affords perfect protection for the liquids contained in the bottle.



PRICE LIST.

	Each.
No. 1. Diameter, 1½ in. Length, 3½ in. Weight, 4½ oz. Furnished with 1 ounce bottle.....	\$.50
No. 3 A Diameter, 2 in. Length, 5½ in. Weight, 7½ oz. Furnished with 4 oz. bottle, with tumbler, making ½ pint flask.....	.85
No. 4 A Diameter, 2½ in. Length, 7 in. Weight, 14 oz. Furnished with 8 oz. bottle, with tumbler, making ½ pint flask.....	1.10
No. 13 A Diameter, 2½ in. Length, 6 in. Weight, 17 oz. Furnished with 8 oz. bottle, with tumbler, making ½ pint flask.....	1.20

THE AMERICAN SONGSTER.



A decided novelty. One of the best Baby Charmers ever offered to the trade. Made of metal, nickel-plated.

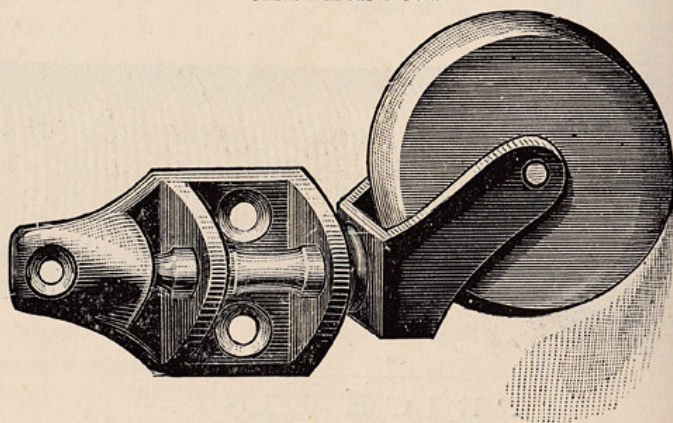
The songsters are painted in a variety of bright colors in almost perfect imitation of life. They sing as clear and liquid as the best living song birds. Are substantially and handsomely made and finished, and not liable to get out of order.

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.....\$1 00

THE MAGIC CASTER.

PATENT APPLIED FOR.



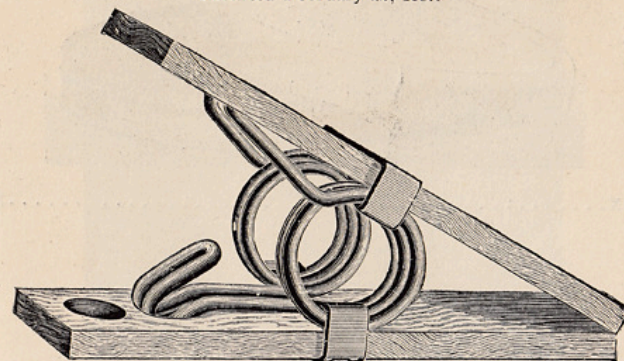
For backgrounds, camera stands, screens, etc., etc. The best caster ever introduced for studio purposes. It was invented specially for photographic use. Wood wheel, 3 inches; does not drop out when raised off the floor.

Price, per set of four.....\$1 00

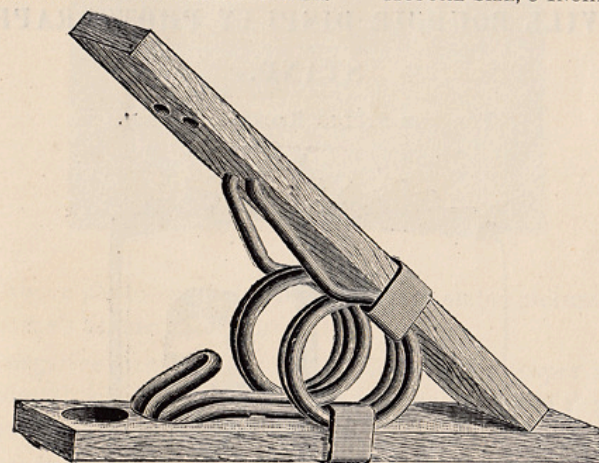
The Adt Patent Adjustable Photo-Clip.

For holding Paper and Negatives while Drying, and for Printing with Backboards, etc.

Patented February 22, 1887.



ARRANGED FOR HOLDING PAPER. ACTUAL SIZE, 3 INCHES.



ADJUSTED FOR USE WITH BACKBOARDS AND NEGATIVES.

The Adt Photo-Clip is the only Photo-Clip that is adjustable. It is superior in construction, and is in every way desirable.

The Adt Adjustable Photo-Clip is so constructed that one arm is movable, which will be found a very valuable feature; as, for instance, in printing with backboards, where, without covering more than the extreme edge of the negative with one arm, the other arm extends so far under the backboard as to insure a firm grasp.

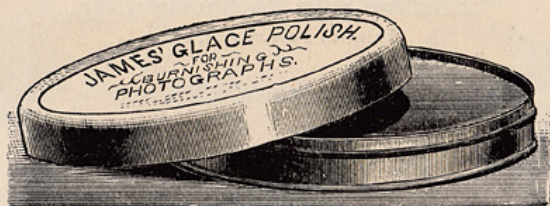
The Adt Adjustable Photo-Clip is provided with a spiral spring, constructed so that no pin pivot is required, making it superior to any other.

The Adt Adjustable Photo-Clip is made of selected hardwood, and the brass is of the proper composition and thickness.

The Adt Adjustable Photo-Clips are all made with hook and hole, so that they may be hung on a cord, wire, or nail.

Price (every clip warranted), of Adt Patent Adjustable Photo-Clips, per doz., 75 cents; per gross, \$7.50.

C. S. GLACÉ POLISH.



Per box.....\$0 50

Ask your Dealer for the
**SCOVILL BOUDOIR DISPLAY PHOTOGRAPHIC
STAND.**

FOR THE STUDIO RECEPTION ROOM.



Arranged for twelve or twenty-four cabinet or imperial photographs, which are held securely by spring clasps so that they can be moved around the upright rod.

Brass, Nickel Plated.....each, \$1 25

STATUE PICTURES MADE EASY.



The above photo-engraving represents the statue picture printed on Osborne's Statue Pedestal.

The negative furnished for statue pictures is a paper negative of a pedestal, which can be adjusted to the negative of the subject that you wish to represent as a statue.

To produce the statue pictures the subject should be draped in white, have the hair powdered, and be taken on a black or very dark background.

After the negative is taken and varnished, the film is scraped off around the figure, cutting off the body as shown above, after which the pedestal negative is adjusted, fastened, and then printed.

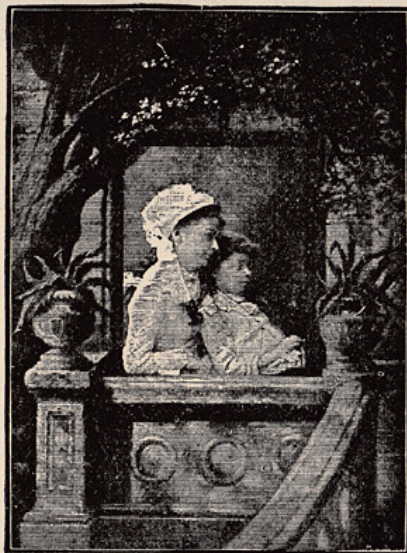
This negative is reversible, and can also be used for different subjects. Full directions and samples sent with each negative by mail.

Price, for Cabinet or Boudoir size.....\$1 00

Osborne's Patent Picturesque Foregrounds.



No. 6.



No. 7.

These are Negatives to be used in Photography by Combination Printing.

A print is first made of the Foreground negative, and then the opening of the window or door is cut out. Now it is only necessary to make the negative of the subject to fit in the opening cut out, and print in the usual manner of double printing.

PRICES ARE AS FOLLOWS:

	Each.
5 x 8, for Cabinet.....	\$1 20
6½ x 8½, " Boudoir.....	1 50
8 x 10, " Long Panel, etc.....	2 00
11 x 14.....	5 00
14 x 17.....	7 50

There are 19 designs. Photographs of them will be sent on application.

BRIGHT IRON SCREW-EYES.

No.	Per Gross.
115.....	\$0 33
114.....	35
113.....	38
112.....	40
111.....	43
110.....	45
109.....	48
108.....	55
107.....	63
106.....	65
105.....	88
104.....	1 13

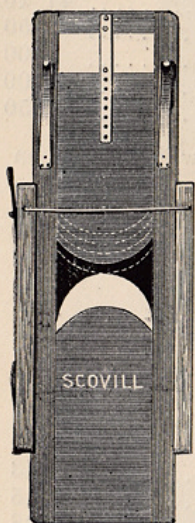
BACKGROUNDS AND ACCESSORIES.

Plain Painted Backgrounds, square foot.....	\$0 08
Interior " " ".....	20 to 25
Landscape " " ".....	15 to 45
Sea View " " ".....	18 to 35
Side Slip " " ".....	25
Plain Woolen, 8 feet wide and any length, square foot.....	18
Rembrandt Painted Backgrounds, with frame.....	6 00

Bracket Castors for Background Frames, with 2½ in wheel, Per Set, \$0 75

Scovill's Universal Safety Shutter

PRICE, \$3.00.

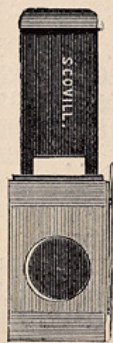


THIS Shutter is styled Universal, not only because more of the Scovill Safety Shutters are in use than of any other pattern, but because it can be arranged with a variety of openings, as shown by the dotted lines of the accompanying illustration. Uniform distribution of light over the plate is insured by the form of opening.

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

When ordering this Shutter, exact diameter of front of Lens Mount should be given, so that the proper circular opening may be cut out to exactly fit hood of Lens.

Scovill's Plain Safety Shutters.



- | | | |
|-------------------------------------|---------|--------|
| No. 1, width $2\frac{3}{4}$ inches, | - - | \$1.20 |
| No. 2, " $3\frac{1}{8}$ " | - - - | 1.40 |
| No. 3, " $3\frac{1}{2}$ " | - - - - | 1.60 |

All of the above Shutters sent without circular opening unless that is called for and *exact* diameter given.

Peerless Varnish Pot and Filterer.



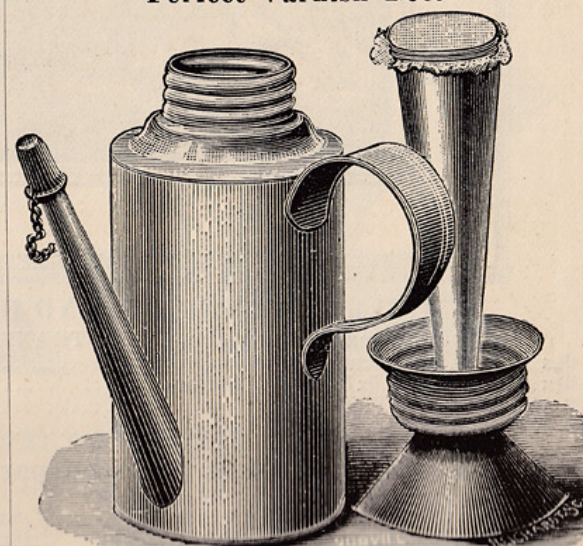
Patent applied for.

It is a tin pot, as shown in cut, with a filter and funnel in the top; rubber stopper in spout.

Put your varnish in clean, flow your plates, and drain surplus varnish back through the funnel in the top, and you will never be troubled with specks or dirt in your varnish. Pot holds 16 ounces.

Price, each, 50 cts.

Perfect Varnish Pot.



Price, each, 50 cents.

TRANSPARENCIES.

DRAWING-ROOM TRANSPARENCY FRAMES.

These Frames can be described, or characterized by one phrase, "THE REFINEMENT OF TASTE."

SIZE.	EACH.	SIZE.	EACH.
4 x 5 inch.....	\$0 28	6½ x 8½ inch.....	\$0 38
4½ x 6½ ".....	30	6½ x 9 ".....	48
5 x 7 ".....	30	8 x 10 ".....	48
5 x 8 ".....	34	10 x 12 ".....	75
6½ x 7½ ".....	38	11 x 14 ".....	90



SCOVILL'S ETCHED GROUND GLASS

(WITH HANDSOME DESIGNS ON BORDER), FOR TRANSPARENCIES.

6½ x 7½ for 4 x 5 Picture.....	Per light,	27½ cts.
6½ x 9 " 4½ x 6½, 5x7, and 5x8 Picture.....	"	42½ "
8 x 10 " 6½ x 8½ Picture.....	"	50 "
10 x 12 " 8 x 10 ".....	"	62½ "

Plain Ground Glass for Transparencies.

Per Light.	Per Light.	Per Light.
4 x 5.....\$0.12	5 x 8.....\$0.18	8x10.....\$0.35
4¼ x 5½..... 15	6½ x 8½..... 28	10x12..... 50
4¼ x 6½..... 16		

Plain Ground Glass for Transparencies.

	Per Light.
4 x 5	\$0 12
4¼ x 5½.....	15
4¼ x 6½.....	16
5 x 8	18
6½ x 8½.....	28
8 x 10	35
10 x 12	50

Keep your Camera looking good as new. Use the INDESTRUCTIBLE JAPANESE GLOSS. Price, 50 cents per bottle.

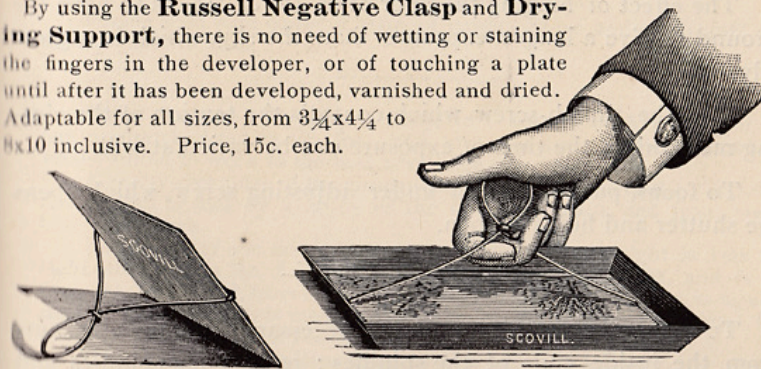
ACME METAL POLISHING PASTE.

FOR CLEANING SHOW-CASE FRAMES, POLISHING LENSES AND THE BRASS-WORK ON CAMERAS.

THE FINEST IN THE WORLD.

Producing a Brilliant and Lasting Polish without scratching. It is labor-saving, cheap, and in convenient form for use, and has no equal for polishing Brass, Copper, Nickel, German Silver, Zinc, Tin, etc. FREE FROM ACID, ALKALI AND GRIT.

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 3¼x4¼ to 8x10 inclusive. Price, 15c. each.

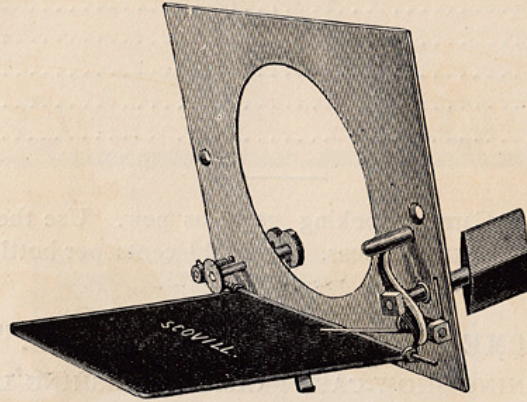


FELT PRINTING PADS.

5 x 8	each,	12 cts.	10 x 12.....	each,	35 cts.
6½ x 8½.....	"	15 "	11 x 14.....	"	40 "
8 x 10	"	24 "	14 x 17.....	"	60 "

THE KELLOGG INSTANTANEOUS SHUTTER.

Price, \$5.00.



DESIGNED ESPECIALLY FOR INSTANTANEOUS WORK
UPON BOTH LAND AND WATER.

Is always in position ready for a "shot." Cannot receive any accidental injury, as it is situated inside the Camera and worked from the outside.

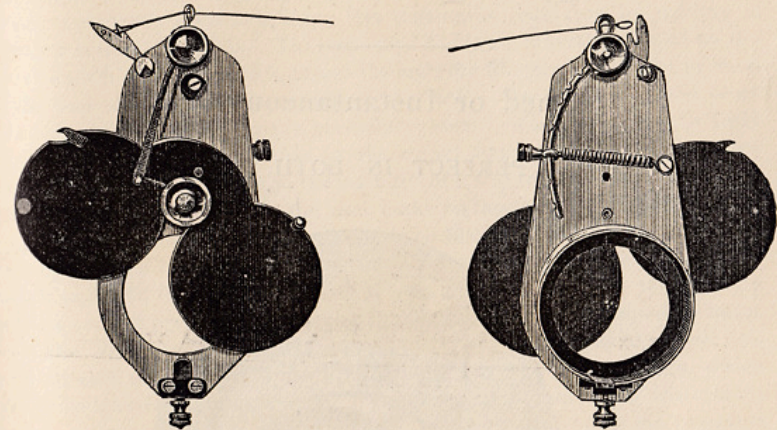
The effect of hinging the door at its lower side is to have the ground receive a longer exposure than the sky, which is a great advantage.

With the thumb-screw which controls the tension of the closing mechanism, the time of exposure can be varied at will.

To focus, push in button under adjusting screw, which opens the shutter and holds it open.

To adjust the shutter it is simply necessary to remove the nuts from the inside ends of the spindles; remove the spindles and fasten the plate to the inside of the camera front by two small screws, so that the circular hole in the plate coincides with the hole in the front board for the lens; three holes having previously been made in the front board so that the three spindles can be replaced, and can turn easily in their bearings.

THE "ECLIPSE" Instantaneous Shutter.



FRONT.

BACK.

SIZES AND PRICES.

No. 0,	for hoods up to 1 $\frac{1}{8}$ inches diameter.....	\$7 00
" 1,	" " 1 $\frac{1}{4}$ " "	7 00
" 2,	" " 2 $\frac{1}{8}$ " "	7 50
" 3,	" " 2 $\frac{1}{2}$ " "	8 00
" 4,	" " 3 $\frac{1}{8}$ " "	8 75

Pneumatic Release, \$1.00 extra.

Please send with order a strip of paper, whose ends will just meet around hood of lens.

These Shutters are virtually made to order, as each purchaser gets one accurately fitted to his lens, and of a size (neither too large nor too small) suited to work to the best advantage.

A pretty clear idea of the construction and operation of the "ECLIPSE" Shutter can be had by a study of the two cuts (back and front views), herewith shown.

Its simplicity and compactness are evident. Its weight is less than eight ounces for a No. 2 Shutter. It is perfectly light-tight, and is free from jar. Its speed, from one second's exposure to any rapidity, is *regulated with precision* by simply moving the spring on the back of the Shutter, from one notch to another on the curved arm.

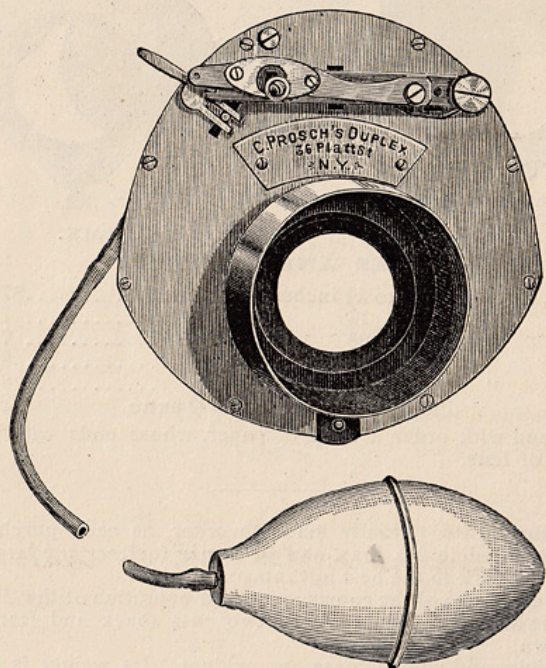
One of its most excellent features, and which is *unequaled* for simplicity and efficiency, is the *hair-trigger release*. This release can be operated by hand or by a cord, which can be led to any point, and even if jerked violently, it will not jar the instrument in the slightest degree. The revolving fly attains motion before it is entirely freed from the release, and so does not start with a jerk as with *all other* releases.

The popularity of the "PROSCH" Shutter of last season is well-known. The "ECLIPSE" Shutter is the latest production of the inventor of that Shutter.

"DUPLEX" Photographic Shutter.

For Timed or Instantaneous Work.

PERFECT IN BOTH.



WITH THIS SHUTTER exposures can be made of any desired duration. It is equal to any requirement for the most rapid work, and as a time Shutter, exposures can be made as quick as two pulsations can be given to air bulb, (about one-tenth of a second) or of minutes duration.

"Duplex" Shutters work perfectly with even the very largest lenses, up to their full capacity; and several lenses can be used with the same Shutter. The Shutter gives a full opening; but yet by the peculiar opening in the exposure slides, any part of the picture can be favored, with more or less illumination, by turning the Shutter, sometimes even inverting it.

The illustration gives a front view of the Shutter, one-half size of No. 2, which is suitable for an 8 x 10 lens, or even larger, as it has an opening at the diaphragm of $1\frac{1}{2}$ inches.

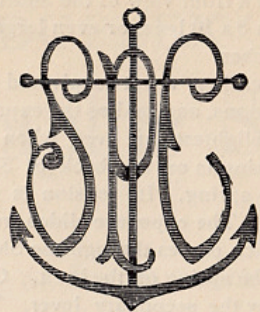
Enclosed in metal casing, are two pivoted slides which moves in unison, in opposite directions, and makes the exposure in one continuous movement, without the slightest jar, even when worked at its greatest rapidity. The motive spring is on the back of Shutter, and is of coiled wire; a perfectly reliable spring. Its tension is regulated by moving it along a series of notches. The exposure slides are moved by a stud on the lever shown on front, which passes through the Shutter, and a slot in each slide, and engages with the spring on the back. On the end of the lever are two notches hidden by the secondary lever. When the lever is fully depressed, the release catches in the upper notch and locks the slides closed. A slight pressure to the air bulb or a trip to the projecting end of the release, frees the slides, and they make an instantaneous movement, or exposure. If the secondary lever has been brought into play, by a turn or two to a milled-head nut, the release will catch in the second or lower notch and hold the slides at a full opening, in which position they remain until a second pressure is given to the bulb, or the release tripped by hand.

The Shutters are made in standard sizes, having narrow threaded collars on each side, to which can be adapted tubes to receive lenses, which are to be transferred from regular lens tube. Any intelligent instrument maker or machinist can adapt such tubes to lenses; but if the complete lens, or a tube already fitted for the lenses, is sent with order, the Shutter will be returned all complete. *The original tube is not used.* Diaphragms of a new design, having a recessed surface which cannot become brightened in use, are furnished in sets of six at a cost of 75c. single, or additional ones at 15c. each. When more than one lens is used with a Shutter, additional diaphragms may be required. The sizes of openings required should be given. When more than one lens is to be fitted to a Shutter, an additional charge will be made. This charge will vary according to sizes, but will be about \$2.00 each.

Duplex Enlarged Revised List.

Numbers.....	00	0	0A	1	1A	2
Openings, inches..	$\frac{6}{8}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{8}$	$1\frac{5}{8}$
Prices.....	\$11 50	12 00	12 50	13 00	13 50	14 00
Numbers	2A	3	4	5	6	
Openings, inches.....	$1\frac{1}{8}$	$1\frac{3}{8}$	2	$2\frac{1}{8}$	$3\frac{1}{8}$	
Prices.....	\$14 50	16 00	18 00	20 00	25 00	

Opening in Shutter should be about the size of next to largest diaphragm. Shutters can be furnished complete for most standard Lens, but it is to **customer's** interest to forward his **Lens tube** to insure a perfect fit, which is returned to him intact, with complete Shutter.



CARBONATE SODA DEVELOPER.

PRICE, PER PACKAGE, 50 CENTS.

S. P. C. Pyro and Potash Developer,

PRICE, PER PACKAGE, 60 CENTS.

Do 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.

SCHERING'S PYROGALLIC ACID.

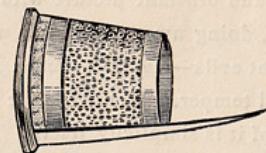
PRICE, PER BOTTLE, 50 CENTS.

"Every one knows what a mess is made by having to weigh out small quantities of pyrogalllic acid every time it has to be used, and one does not care to be always having recourse to scales and weights, especially the tourist when away from home. Numerous expedients to obviate this have been tried, such as dissolving the pyrogalllic acid in alcohol, or in water to which sulphite of soda, citric acid, nitric acid, and other agents have been added to prevent its oxidation, and these are all excellent in their way, although they entail some degree of preparation and necessitate the keeping of solutions ready made up. It occurred to Dr. George S. Sinclair, of Halifax, that all the annoyances and difficulties inherent in such solutions could be entirely got rid of by having the pyrogalllic acid compressed into small, round tablets, each containing *exactly two grains*. Experiments were tried, and machinery made, the result being this great boon to the photographer—that in a small bottle may be carried a large number of these compressed pellets, each of which is *precisely two grains*. They are ready for use at all times. To make a solution of any definite strength, it is only necessary to measure out the water required, and to each one, two, three or more ounces, add so many of these pellets, which quickly dissolve, giving a *fresh* aqueous solution of the acid, entirely free from any contaminating or preservative agent. These tablets keep indefinitely, dissolve easily, and being made of Schering's finest manufacture, can be implicitly relied on."—*Photographic Times*.

The Latest S. P. C. Solutions, Ready Prepared for the use of Photographers.

Flandreau's S. P. C. Hypo Eliminator, with book of Test Paper.....	Price, \$0 50
Flandreau's S. P. C. Retouching Fluid, for Varnished and Unvarnished Negatives.....	Price per bottle, 25
Flandreau's S. P. C. Orthochromatic Solutions :	
Erythrosine Solution and Xanthine Collodion, Price per package, including full directions.....	1 50
S. P. C. Bromide Paper Developer.....	75

SCOVILL'S EFFICIENT PLATE LIFTER.



TO RAISE PLATES OUT OF THE SOLUTION WITHOUT DIPPING IN THE FINGERS.

PRICE, 15 CENTS.

Described in the "British Journal Almanac for 1883."

This Plate Lifter is very nearly like an ordinary open end Thimble with Pointed Piece of Metal soldered securely to it, as shown in the illustration.

FERROTYPE PLATES.

BLACK OR CHOCOLATE TINTED. PRICES SUBJECT TO FLUCTUATION

Sizes.	Egg Shell.	Glossy.
1-9, 2 x 2½, per box of 8 doz., Phenix.....	\$0 80.....	\$0 90
1-6, 2¼x3¼, " 8 " "	1 25.....	1 35
1-4, 3¼x4¼, " 8 " "	1 85.....	2 00
1-2, 4¼x5½, " 4 " "	2 20.....	2 35
4-4, 6½x8½, " 2 " "	2 40.....	2 70
10x14, per doz., Phenix.....	1 68.....	1 80
10x14, per 100, "	14 00.....	15 00
4¼x6½, per box of 4 doz.	2 20.....	2 35
5 x7, " " "	2 40.....	2 70
Union, per dozen.....	90.....	
Champion, "	1 20.....	1 33
" per 100.....	10 00.....	11 00

ARGENTIC DRY PLATES FOR POSITIVES.

This Plate will be found far superior to any other form of Positive Plate, giving, as it does, the maximum of beautiful effects with a minimum of labor, producing a rich and brilliant picture with a rapidity and cleanliness never before attained, doing away as they do with the use of a silver bath and all its concomitant evils—*pin-holes, stains, fog*, etc., not forgetting the vast saving in time and temper. The Argentic Plate is always ready at hand, and the working of it is simplicity itself. Their permanency and reliability is beyond question.

An exposure of from 1 to 3 seconds will suffice with a good light, 2 minutes to develop, 3 to 5 to fix, wash, dry and varnish, and the operation is complete, ready within ten minutes for delivery. For out-door work these Plates work well with a drop-shutter exposure.

PRICE LIST.

PER BOX OF	PER BOX OF		
2 dozen, 3¼x4¼.....	\$0 90	2 dozen, 5 x 8	\$2 25
2 " 4 x5	1 25	2 " 6½x 8½.....	3 75
2 " 4¼x5½.....	1 50	2 " 7 x10	4 00
2 " 4¼x6½.....	1 80	2 " 8 x10	4 50
2 " 5 x7	2 00	1 " 10 x14	4 00

FERROTYPE OUTFIT No. 1.

For those who wish to start on a small scale, the following outfit will suffice for a beginning:

1 ¼ Gem Camera & Holders, with 4 1-9 Darlot Gem Lenses to make 4 1-9 Gems on ¼ plate..	\$18 75	1 Quill Duster.....	\$0 10
1 Short Head Rest.....	2 80	1 Instruction Book, Ferrotyping.....	75
1 ¼ Excel. Camera Stand	3 00	1 Box ¼ Ferro. Plates...	1 20
1 ¼ Rubber Bath and Dipper.....	1 25	500 No. 4 Ferrotypes Envelopes.....	1 63
1 4 x 5 Rubber Dish....	60	1 pt. Silver Bath Solution	1 90
2 No. 0 Rubber Funnels,	80	1 Bottle Ferrotypes Collo-dion.....	65
1 3 oz. Collodion Vial..	18	1 lb. Acetic Acid.....	20
1 3 oz. Graduated Glass.	30	1 lb. Cyanide Potassium,	25
1 Alcohol Lamp.....	60	1¼ lb. Sulph. Iron in bot-tles.....	20
1 Box Ferrotypes Colors, Brushes, etc.....	1 60	1 Bottle Varnish.....	25
1 Jar Parlor Paste and Brush	40	1 pint 95° Alcohol.....	50
		Total.....	\$37 95

Those who wish to make single pictures, 1-9, 1-6 and 1-4 sizes, can do so with this outfit, by adding a ¼ Darlot Portrait Lens, with central stops, which will cost extra, \$8.75.

The same outfit as above, but instead of ¼ Camera, Stand, Bath and Dish, we will send ½ sizes.....\$38 70
With ¼ Darlot Lens.....\$46 70 | With ½ Darlot Lens..... 52 50

FERROTYPE OUTFIT No. 2.

The following outfit will be found the best for traveling business on a small scale:

1 ½ Combination Camera makes 1-9, 1-6, 1-4 and 1-2 single Ferrotypes, and 2 Bon Tons on a ½ plate, and 2 card size on a ½ plate with 1 ½ size Lens. Price of Camera and Darlot Lens.....	\$30 00	¼ lb. Cyanide Potassium,	\$0 25
1 ½ Excel. Camera Stand,	3 00	½ lb. Ferro. Collodion...	65
1 Tall Head Rest.....	3 00	1 Bottle Varnish.....	25
1 ½ Glass Bath in Box, and Dipper.....	3 30	1 Box Colors, Brushes, and Gold Saucer....	1 60
1 5 x 7 Rubber Dish....	75	1 pint 95° Alcohol.....	50
1 Alcohol Lamp.....	60	1 Box each ¼ and ½ Ferrotypes Plates....	2 40
1 3 oz. Collodion Vial..	18	100 No. 11 Ferrotypes Envelopes.....	35
1 3 oz. Graduated Glass,	30	50 No. 24 Card Envelopes.....	30
2 No. 1 Rubber Funnels,	90	½ pint Jar Parlor Paste and Brush.....	40
1 pint Silver Solution... 1 00		1 1 inch Camel's Hair Duster for Plates....	15
1¼ lb. Sulph. Iron in bot.	20	1 Copy Ferrotypes Guide Instruction Book.....	75
1 lb. Acetic Acid.....	20	Total.....	\$51 93

FERROTYPE OUTFIT No. 3.

For those who wish to make larger pictures, the following will be found a good outfit:

1 8x10 Lakeside Camera and Holders, carriage movement, fitted with 4 $\frac{1}{4}$ Gem Darlot Lenses, plain.....	\$40 00	1 $\frac{1}{4}$ lb. Sulph. Iron in bot.....	\$0 20
1 4-4 Darlot Portrait Lens, C. S.....	35 50	1 lb. Cyanide Potassium,	75
1 No. 2 Acme Camera Stand, boxed.....	11 50	1 lb. Ferro. Collodion...	1 25
1 Tall Head Rest.....	3 00	1 pint Ferro. Varnish...	90
1 9x12 Glass Bath in Box and Dipper.....	6 00	1 pint 95° Alcohol.....	50
1 8x10 Rubber Dish...	1 35	1 Jar Parlor Paste and Brush.....	40
1 Alcohol Lamp.....	60	1 $\frac{1}{2}$ inch Camel's Hair Duster.....	25
1 8 oz. Collodion Vial..	30	50 10x14 Ferrotypes Plates.....	3 00
1 8 oz. Graduated Glass,	50	500 No. 11 Ferrotypes Envelopes.....	1 50
2 No. 3 Rubber Funnels,	1 20	100 No. 15 Ferrotypes Envelopes for $\frac{1}{2}$ size..	90
1 Box Ferrotypes Colors, Brushes, etc.....	1 60	24 No. 20 Cabinet Envelopes.....	40
3 pints Silver Bath Solution.....	5 70	1 Copy Ferrotyper.....	1 00
2 lbs. Acetic Acid.....	35		
		Total.....	\$118 00

Those who do not care to make large pictures can dispense with the 4-4 Lens.

Or, a $\frac{1}{2}$ size Darlot Lens can be substituted for \$17.50, making this outfit very useful.

NOTE.—To these outfits may be added other articles to make them more complete (but can be dispensed with if economy is an object), such as Backgrounds and Accessories, Posing Chair, Tent, etc.

Filtering Cotton.

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

Lawton's Absorbent Cotton.

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

1 lb. package.....	\$0 75
$\frac{1}{2}$ " "	45
4 oz. paper box.....	25
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 Ferrotypes.....	\$0 50
Wells' Negative, Rich and Rapid.....	60
E. A. New Negative and Copying Collodion.....	65
For New Negative	75
Phenix Plate.....	55

Varnishes.

S. P. C. Negative.....	\$0 35
Keystone.....	50
Phenix Ferrotypes..... per bot....	50
Mountfort's Negative..... "	40
E. A. Diamond Ferrotypes..... per bot....	40
" " "	1 00
" Crystal "	30
" Retouching..... "	50
Black, for backing..... $\frac{1}{2}$ lb.....	50
Climax Negative..... per bot....	35
Ground Glass Substitute..... "	50

French Iodides and Bromides.

(Poulenc & Wittmann.)

Bromide Ammonium..... 1 oz. bot....	\$0 15
" Cadmium..... 1 "	45
" Potassium..... 1 "	25
Iodide Ammonium.... 1 "	1 40
" Cadmium..... 1 "	1 20
" Potassium..... 1 "	90

CHEMICALS.

WARRANTED PURE AND OF FULL WEIGHT AND MEASURE.

Remember, all Chemicals are bought and sold by Avoirdupois weight, which is 437½ grains to the ounce, and 16 ounces to the pound, while at the same time they are mixed by Apothecaries' weight—480 grains to the ounce, and 12 ounces to the pound; hence, if you do not get but 437½ grains of any Chemical for an ounce, do not think it short weight.

	Acid, Acetic, No. 8, in bots., 1 lb., 18c.; 2 lb., 35c.; 5 lb. . . .	\$0 75
	“ Glacial 1 oz. bot.	15
	“ “ 4 “	35
	“ “ 8 “	60
	“ “ 1 lb. bot.	1 00
Tin Cans extra.	Acid, Nitric, C. P. 1 oz. bot.	12
	“ “ 4 “	25
	“ “ 8 “	35
	“ “ 1 lb. bot.	50
	“ Commercial, in bots., 1 lb., 35c.; 7 lb.	1 30
	Acid, Muriatic, C. P., in bots., 4 oz., 25c.; 8 oz., 35c.; 1 lb.	50
	Acid, Oxalic per lb.	25
	“ Pyrogallic 2 oz.	90
	“ “ 4 “	1 45
	“ “ 8 “	3 10
	“ “ 16 “	5 60
	“ “ in bots., ½ oz., 25c.; 1 oz.	45
Tins Cans extra.	Acid, Sulphuric, C. P. 1 oz. bot.	12
	“ “ 4 “	25
	“ “ 1 lb. bot.	50
	“ “ 1 oz. bot.	20
	Acid, Gallic 1 oz. can.	20
	“ Citric, in bots., 1 oz., 15c.; 1 lb.	90
	“ Salicylic 1 oz.	30
	Ammonium, Iodide, white 1 oz. bot.	40
	“ Bromide 1 “	15
	Ammonia, Nitrate, crystal ½ lb. bot.	35
	“ “ 1 “	65
	“ Liquid Conc., C. S. 1 “	40
	“ “ ½ “	30
	“ “ 4 “	95
	“ Chloride, in bots., 1 oz., 15c.; 8 oz.	35
	Alcohol, 98 per cent., no bottle per gall.	3 00
	“ “ ½ gall. bot.	1 55
	“ “ 1 qt. bot.	85
	“ “ 1 pt. bot.	45
	“ wood, for burning 1 pt. bot.	35
	“ “ 1 qt. bot.	60
	“ “ ½ gall.	1 10
	“ “ per gall. bot.	2 10

	Alcohol, Absolute 1 pt. bot.	\$0 75
	“ “ 1 qt. bot.	1 45
	“ Atwood's Pat., for Collodion, no bot., per gall.	3 75
	“ “ “ ½ gall. bot.	1 90
	“ “ “ 1 qt. bot.	1 00
	“ “ “ 1 pt. bot.	50
	Alum, ground per lb.	10
	“ Chrome, in bots., 1 oz., 10c.; 1 lb. boxes.	25
	Baryta, Nitrate 1 lb. bot.	28
	Blue Frosting (for skylight) per can.	1 00
	Cadmium, Iodide 1 oz. bot.	50
	“ Bromide 1 “	30
	Calcium, Chloride, in bots., 1 oz., 15c.; 8 oz.	50
	Chloroform, in bots., 2 oz., 30c.; 1 lb.	1 50
	Copper, Sulphate, purified 1 lb. bot.	50
	Dextrine (for Mounting Photos) per lb.	20
	Dermaline (protects the hands) per bot.	25
	Ether, Sulph., Conc 1 lb. bot.	90
	“ “ 3½ “	2 87
	Enameline per bot.	75
	Entrekin's Lubricator for Burnishing per cake.	20
	Glass Cleaning Powder “	20
	“ Polish “	25
	Gold, Chloride of, and Sodium 15 gr.	30
	“ “ “ 30 gr.	60
	“ “ pure 15 gr.	60
	Gum Arabic, picked per lb.	60
	“ Shellac, per lb., white, 80c.; brown	50
	“ Sandarac per lb.	55
	“ Benzoin “	95
	“ Mastic “	2 50
	Glycerine, in bots., 1 oz., 10c.; 1 lb.	60
	Hydrokinone per oz.	1 60
	Iron, Iodide 1 oz.	50
	“ Protosulph., in bulk, per lb., 6c.; 1 lb. box.	10
	“ Sulph. and Ammonia per lb.	15
	Iodine, Tincture 1 oz. bot.	25
	“ Crystal, Resublimed 1 “	50
	Kaolin per lb.	10
	Lead, Chloride 1 oz. bot.	20
	“ Acetate 1 “	20
	Lithium, Iodide 1 “	1 10
	“ Bromide 1 “	50
	Lime, Chloride 1 lb. bot.	20
	Magnesia, Nitrate, in bots., 1 oz., 20c.; 1 lb.	1 20
	Mercury, Bichloride, in bots., 1 oz., 15c.; 4 oz.	25
	Mardock's Compound Developer per lb.	35
	Oil of Lavender 2 oz. bot.	30
	“ “ 8 “	75
	Paraffine per lb. bot.	40

Potassium, Iodide.....	1 oz. bot.....	\$0 40
“ Bromide.....	1 “	15
Potassium, Neutral Oxalate.....	per lb. box..	40
“ Sulphuret.....	$\frac{1}{4}$ lb. bot....	15
“ “	$\frac{1}{2}$ “	25
“ “	1 “	45
“ Cyanide.....	$\frac{1}{4}$ “	30
“ “	$\frac{1}{2}$ “	40
“ “	1 “	75
Potassa, Nitrate, C. P.....	per lb.....	35
“ Permanganate.....	1 oz. bot....	15
“ Bichromate.....	per lb.....	35
Rottenstone.....	$\frac{1}{2}$ lb. bot....	30
Sodium, Iodide.....	1 oz. bot....	50
“ Bromide.....	1 “	20
Soda, Acetate.....	$\frac{1}{4}$ lb. bot....	20
“ “	$\frac{1}{2}$ “	35
“ “	1 “	60
“ Bicarbonate.....	per lb.	10
“ Carbonate (gran.).....	“	20
“ Citrate.....	1 oz. bot....	20
“ “	4 “	35
“ Granulated.....	1 lb. box....	10
“ Hyposulphite.....	per lb.....	5
“ “	1 lb. bot....	15
“ “	per box.....	10
“ “	in kegs of about 112 lbs.....	4 00
“ Nitrate, Purified.....	1 lb. bot....	25
“ Phosphate.....	$\frac{1}{2}$ “	30
“ Sulphite, crystals 08 granulated.....	1 oz. bot....	10
“ “ “ 12 “	2 “	15
“ “ “ 15 “	4 “	20
“ “ “ 20 “	$\frac{1}{2}$ lb. bot....	30
“ “ “ 35 “	1 “	45
“ Tungstate.....	1 oz. bot....	20
“ “	4 “	40
Soap for removing silver stains.....	per cake....	15
Strontia, Chlo. or Muriate.....	1 oz. bot....	15
Silver, Nitrate, cryst.....	1 “	85
“ “	2 “	1 70
“ “	4 “	3 25
“ “	8 “	6 25
“ “	1 lb. bot....	13 50
“ fused.....	1 oz. bot....	90
“ “	1 lb. bot....	13 50
Tannin.....	1 oz. bot....	25
Uranium, Nitrate.....	1 “	90
“ Chloride.....	1 “	90
Zinc, Iodide.....	1 “	65

DRY PLATES.

Dry Plates are sensitized negative glass (gelatine emulsion), ready for exposure, and will keep good in dry places for an indefinite time. They are put up in light-tight paper boxes, and must be opened, developed and fixed in ruby light, as the smallest ray of white light, or even candle light, will fog them. Cameras and plate holders must also be free from all light inside, except what comes through the lens; even a full aperture of the lens will sometimes fog in a strong light. These plates are usually about ten times quicker working than Collodion Plates. The Instantaneous are of course much quicker, and require more care.

Any photographer can work these plates with the same instruments as wet plates, but require special plate holders. There is no reason why any one should fail to make good negatives from the start, if directions are followed that accompany each package of plates. They are now used by all the leading galleries, some exclusively.

Price List of ST. LOUIS, EASTMAN and CRAMER Dry Plates.

3 $\frac{1}{4}$ x 4 $\frac{1}{4}$	\$0 45	10 x 12	\$3 80
4 x 5	65	11 x 14	5 00
4 $\frac{1}{4}$ x 5 $\frac{1}{2}$	75	14 x 17.....	9 00
4 $\frac{1}{4}$ x 6 $\frac{1}{2}$	90	16 x 20.....	12 50
5 x 7	1 10	17 x 20.....	13 00
5 x 8	1 25	18 x 22.....	15 50
6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	1 65	20 x 24.....	18 50
8 x 10	2 40		



REVISED AND REDUCED PRICE LIST

—OF—

CARBUTT'S KEYSTONE DRY PLATES.

DECEMBER 1st, 1886.

Size of Plates.	Sp'l Inst's and "B."	Stripping Plates.	Ortho'c and Transpar'cy.	Gr'd Glass Transpar'cy.	A	
					Plain Opal	Gr'd Opal
	Dozen.		Dozen.	Dozen.	‡ Dozen.	‡ Dozen.
3 1/4 x 4 1/4	Thin Crystal Glass for Lantern Slides.		\$0 65	....	....	....
3 1/4 x 4 1/4			\$0 45	....	\$0 45	\$0 55
4 x 5			65	....	\$1 00	65
4 1/4 x 5 1/2			75	....	1 12	75
4 1/4 x 6 1/2			90	....	1 35	90
4 3/4 x 6 1/2			95	....	....	....
5 x 7			1 10	\$1 45	1 40	1 10
5 1/2 x 7			1 25	1 65	1 50	....
5 x 8			1 25	1 65	1 50	....
6 1/2 x 8 1/2			1 65	2 20	2 00	1 65
8 x 10			2 40	3 20	3 00	2 40
10 x 12			3 80	5 05	4 50	3 80
11 x 14			5 00	6 65	5 85	5 00
14 x 17			9 00	12 00	10 80	9 00
16 x 20			12 50	16 65	....	....
17 x 20			13 00	17 30	....	....
18 x 22			15 50	20 00	....	....
20 x 24			18 50	24 50	....	....

SIZES 10 x 12 AND LARGER ARE PUT UP HALF DOZEN IN A BOX.

PYRO AND POTASH DEVELOPER,
For Carbutt's Keystone Dry Plates.

No. 1.		No. 2.	
Water.....	10 OZ.	Water.....	10 OZ.
Citric acid.....	60 grs.	Crystalized sulphite soda.....	2 OZ.
Crystalized sulphite soda.....	2 OZ.	Carbonate of potash, C. P.....	4 OZ.
Pyrogallic acid.....	1 OZ.	Water to make up to 16 oz.	
Water to make up to 16 oz.			

N. B.—During Summer 1 dram bromide potash or ammonia may be added to No. 1.

DEVELOPER.—For Portraits on "Specials," add to 2 1/2 ounces of water, distilled, melted ice, or well water, but *not rain* water, two drams each No. 1 and 2; less of No. 2 is required during warm weather. If more density is desired add more of No. 1, if more detail and softness add more of No. 2, bromide to be added to restrain and give density if required. Keep solutions cool, 60 to 70 degs. is a good temperature.

For Landscapes and Interiors on "Specials," where the exposure may be uncertain, lay the exposed plate in the Pyro Solution for a minute or two, then into the developing glass put half the quantity of No. 2 as has been taken of No. 1, and pour the Pyro Solution into it, and back onto the plate, by proceeding in this manner, adding more of No. 2 to bring out the image, or a few drops of a 10 per cent. solution of bromide to restrain as may be required, much better results may be looked for than if a full quantity of No. 1 and No. 2 were mixed at once. FOR INSTANTANEOUS VIEWS or very dark interiors, we recommend the following procedure: To 4 ounces water add 1 dram No. 2, soak plate in this while preparing the following: water, 3 ounces, of Nos. 1 and 2 each 3 drams, 5 drops Bromide Solution, pour off the dilute alkali, and flow this strong developer over the plate; be careful to expose the plate as little as possible to the light used to develop by, no matter how safe it may be considered for ordinary development. Do not hurry by adding more No. 2; cover up the pan and give the developer time to act, when more of No. 1 or No. 2 may be added as may be required. FOR INSTANTANEOUS VIEWS ON WATER, it will be best to treat the plate same as for Landscapes, by soaking plate in Pyro Solution first.

For Landscape, Machinery, Architecture, &c., on B plates, use 1/2 dram each Nos. 1 and 2 to each ounce water, adding more of each as may be required, No. 1 giving density, No. 2 giving detail and hastening development.

After rinsing off developer, immerse in 10 per cent. solution common alum, 3 to 5 minutes, then wash and fix in Hypo Solution, hyposulphite of soda 4 ounces water, 20 ounces, after which wash most thoroughly and dry spontaneously, and varnish with Keystone Negative Varnish. Should the film have a yellow tinge after fixing and washing, immerse for a few minutes, or until color is removed, in the following Bleaching Solution:

Water.....	20 ounces
Alum.....	1 1/2 "
Sulphuric acid.....	1/2 "

Wash afterwards and dry spontaneously

Per package.....60 cents.

DEVELOPING FORMULA

—FOR—

CARBUTT'S GELATINO-ALBUMEN

OPALS AND TRANSPARENCIES.

When to be made by contact, use artificial light, either gas or coal oil lamp, but the most efficient is the light from CARBUTT'S MULTUM IN PARVO LANTERN.

Use a deep printing frame with a piece of plate or flat glass to lay Negative on, place over the Negative a Gelatino-Albumen Plate, then expose from 10 to 20 seconds or what may be considered sufficient according to the intensity of Negative being used; the time of exposure and strength of developer are the two principal factors in determining the TONE and DENSITY of the resultant transparency; a short exposure with strong developer yields vigorous transparencies with rich velvet black tone, long exposure and dilute developer gives warm brown tones, fine gradation with transparency of detail in the shadows, suitable for Optical Lantern Slides.

For transparencies for the window, a mask with a suitable central opening should be placed *between* the Negative and Gelatine Dry Plate; a suitable paper is a thin enameled surface paper of a turkey red color, this will be found to protect the margin of the plate and give a sharp clean outline to the picture. For Lantern Slides, the dry plate is placed in contact with the Negative without a mask.

<p>No. 1.</p> <p>Neutral oxalate potash..... 8 ounces. Warm distilled or water from ice..... 32 ounces. Citric acid..... 60 grains. Bromide of potassium..... 180 grains.</p>	<p>No. 2.</p> <p>Sulphate of iron..... 3 ounces. Distilled or ice water..... 32 ounces. Sulphuric acid..... 8 drops.</p>
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For use, mix equal parts No. 1 and No. 2, *pouring number two into number one.*

No. 3.—FIXING SOLUTION.

Hyposulphite of soda 4 ounces. | Water 20 ounces.

No. 4.—CLEARING SOLUTION.

Water 20 ounces. | Alum 1½ ounces.
Sulphuric acid ¼ ounce.

DEVELOPER FOR TRANSPARENCIES.

No. 1.—Oxalate solution..... 2 ounces. | No. 2.—Iron Solution..... 2 ounces.

Place solution in developing dish and lower plate into it, letting the developer flow over in one even wave; develop until detail in high lights is plainly visible, wash off developer and fix in No. 3 Solution; when quite cleared of all unreduced bromide, wash well, immerse one or two minutes in No. 4, again thoroughly wash and finish by going over the surface with a swab of absorbent cotton, while water runs over the plate; dry spontaneously.

DEVELOPMENT OF OPALS.

Proceed as for transparencies, developing until detail in face of a portrait is just well out, remove from developer and flow over a 5-grain solution bromide of potassium to *instantly* arrest development and preserve brilliancy; wash, fix, etc., as recommended for transparencies.

NOTE.—Opals to be viewed as positives by reflected light, development should be stopped as soon as the fine half tones in the face of a portrait are visible; when to be viewed by transmitted light either for the window or lamp shades, development should continue until detail in face of a portrait, or high lights in a landscape, is well out, increasing the exposure to 25 or 30 seconds to lamp or gas-light, and diluting developer with one-third water gives warmer tones. Opal plates with matt surface for artist work are made to order on a slight advance in cost above bright surface opal.

DEVELOPING FORMULA

—FOR—

CARBUTT'S GELATINO-CHLORIDE

OPALS AND TRANSPARENCIES.

<p>No. 1.</p> <p>Neutral oxalate of potash..... 3 ounces. Chloride of ammonium..... 40 grains. Bromide of ammonium..... 20 grains. Distilled, or water from ice..... 20 ounces.</p>	<p>No. 2.</p> <p>Protosulphate of iron..... 240 grains. Water..... 20 ounces. Citric acid..... 120 grains.</p>
<p>No. 3.—ALUM SOLUTION.</p> <p>Water..... 20 ounces. Pulverized alum..... 1½ ounce.</p>	<p>No. 4.—FIXING BATH.</p> <p>Hyposulphite of soda..... 4 ounces. Water..... 20 ounces.</p>

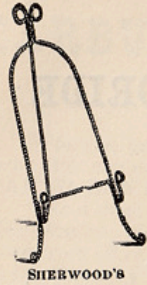
Expose plate in contact with Negative in a deep printing frame, to diffused light for from 4 to 8 seconds; lamp or gas light, 5 to 8 minutes, or to the light of 1 to 2 inches of burning magnesium ribbon, at a distance of 10 or 12 inches from negative. To develop, mix equal parts Nos. 1 and 2, pouring No. 2 into No. 1. The image should show gradually; for very warm tones, dilute developer with equal parts water and add 1 or 2 drops bromide solution to each ounce developer, but be sure and give at least double the exposure, do not carry the development of the opals too far as they lose very little in fixing. For a positive picture on opal, the development should be arrested the moment the detail shows in the high lights, and this is most effectually done by quickly removing the plate from the developer, and flushing over the surface a 5-grain solution bromide potassium; this instantly arrests development and preserves the brilliancy of the image.

Wash and immerse in No. 3 for 3 to 5 minutes, again wash and fix in solution No. 4 for at least 10 minutes—wash thoroughly and before placing to dry, go over the surface with a swab of absorbent cotton while water is flowing over it, then dry spontaneously. Opal plates with matt surface for artist work are made to order on a slight advance in cost above bright surfaced opal.

N. B.—If the tone by simple development should not be considered satisfactory and a more decided purple tone desired, this can be secured by toning the chloride print before fixing, using the ordinary toning bath, in this case the exposure must be increased and developer diluted as recommended for warm tones, so as to produce by development a decided red image. See PHOTOGRAPHIC TIMES, March 20th, 1885, pages 140 and 145.

SHERWOOD'S PICTURE EASELS.

TURK'S HEAD PATTERN.



No.	Extreme Height.	White Lustral, per doz.	Gold Plated, per doz.
0	4½ in. high	\$0 70	\$1 40
1	5½ " "	75	1 50
2	6½ " "	1 00	2 00
3	8½ " "	1 25	2 50
4	11 " "	1 75	4 00
5	12½ " "	2 50	5 00

Put up in boxes of one dozen.

SHERWOOD'S

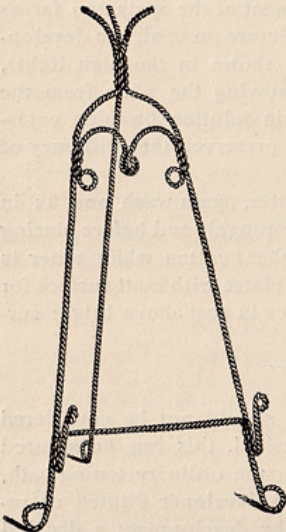
INDIAN HEAD PATTERN.



No.	Extreme Height.	White Lustral, per doz.	Gold Plated, per doz.
0	5 in. high	\$0 70	\$1 40
1	6 " "	75	1 50
2	7½ " "	1 00	2 00
3	9½ " "	1 25	2 50
4	12½ " "	1 75	4 00
5	14 " "	2 50	5 00

Put up in boxes of one dozen.

SHERWOOD'S



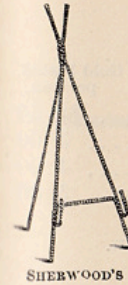
SHERWOOD'S

No.	Extreme Height.	White Lustral, per doz.	Gold Plated, per doz.
10	12¼ in.	\$2 00	\$4 00
12	12¼ " "	2 00	4 00
15	12¼ " "	3 00	6 00

No. 15 with hook for medallion ; Nos. 10 and 12 without hook.

Put up in boxes of one dozen.

RUSTIC PATTERN.



SHERWOOD'S

No.	Extreme Height.	White Lustral, per doz.	Gold Plated, per doz.
0	5 in. high	\$0 70	\$1 40
1	6 " "	75	1 50
2	7 " "	1 00	2 00
3	9 " "	1 25	2 50
4	11½ " "	1 75	4 00
5	13 " "	2 50	5 00

Put up in boxes of one dozen.

GRECIAN PATTERN.

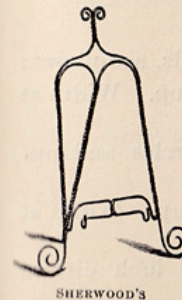


SHERWOOD'S

No.	Extreme Height.	White Lustral, per doz.	Gold Plated, per doz.
0	4 in. high	\$0 70	\$1 40
1	5 " "	75	1 50
2	6 " "	1 00	2 00
3	8 " "	1 25	2 50
4	10½ " "	1 75	4 00
5	12 " "	2 50	5 00

Put up in boxes of one dozen.

SCROLL PATTERN.

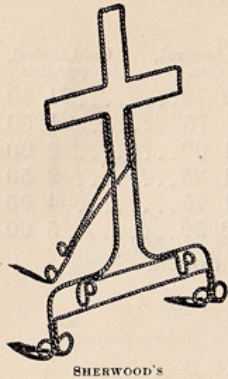


SHERWOOD'S

No.	Extreme Height.	White Lustral, per doz.	Gold Plated, per doz.
0	4½ in. high	\$1 00	\$1 75
1	5½ " "	1 25	2 00
2	6½ " "	1 50	2 50
3	8½ " "	1 75	3 00
4	11 " "	2 25	5 00
5	12½ " "	3 00	6 00

This Easel is so constructed as to support the back of card, and thus prevent it from warping, a common difficulty with mounted photographs.

Put up in boxes of one dozen.

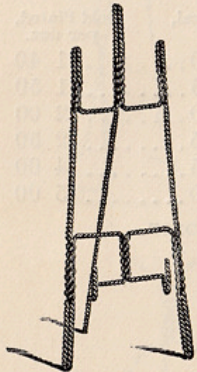


CROSS PATTERN.

No.	Extreme Height.	Gold Plated, per doz.
0	4 in. high	\$2 50
1	5 " "	3 00
2	6 " "	4 00
3	7 " "	5 00

Put up in boxes of one dozen.

SHERWOOD'S



GOTHIC PATTERN.

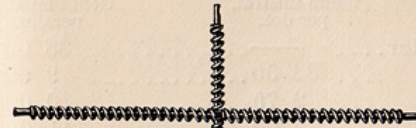
No.	Extreme Height.	Gold Plated, per doz.
1	7½ in. high	\$4 50
2	8½ " "	6 00
3	11½ " "	9 00
4	14½ " "	12 00
5	17½ " "	15 00

Put up in boxes of one dozen.

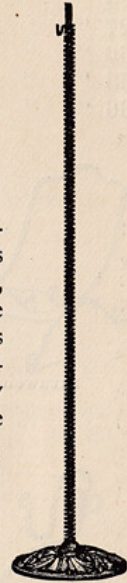
SHERWOOD'S

These Easels are adapted to various sizes of Cards, as follows :
 No. 0 to "Vignettes," etc., also 3 inch circles and up. Width at rests, 1¾ inches.
 No. 1 to "Cartes de Visite," etc.; also 4 inch circles and up. Width at rests, 2¼ inches.
 No. 2 to "Victoria," etc.; also 5 inch circles and up. Width at rests, 2¾ inches.
 No. 3. to "Cabinet," "Promenade," etc.; also 6 inch circles and up. Width at rests, 3¾ inches.
 No. 4 to "Boudoir," etc. Width at rests, 4¾ inches.
 No. 5 to "Imperial," etc. Width at rests, 5¾ inches.

BANNERETTE STANDS.



Owing to the peculiar construction of the Bannerette Stands and Rods, and Splasher Rods, cord of attractive color may be wound within the scroll, thus presenting an elegant appearance and rendering unnecessary all separate rings; besides the loops on the rods stay in place.



SHERWOOD'S

Extreme Height.	Lustral, per doz.	Gold, per doz.	Extreme Height.	Gold Plated, per doz.
			12 in. high	\$12 00
			14 " "	14 00
			16 " "	16 00
18 in. high	\$12 00	\$18 00	18 " "	18 00

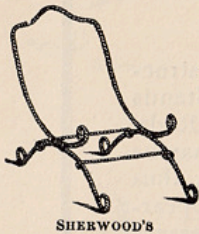
Black Enameled and Gilt Bases. Standards in loose Sockets.
 Lustral, put up in boxes of one dozen.
 Gold, put up in boxes of one half-dozen.

BANNERETTE RODS.

Length	Gold Plated, per doz.
6 in. long, shoulder to shoulder	\$2 50
7 " " " "	2 88
8 " " " "	3 25
9 " " " "	3 62
10 " " " "	4 00
11 " " " "	4 38
12 " " " "	4 75
13 " " " "	5 12
14 " " " "	5 50
15 " " " "	5 88

SPLASHER RODS.

	White Lustral, per doz.	Gold Plated, per doz.
15 in. long, shoulder to shoulder.....	—	\$8 00
18 " " " "	\$2 50	9 00
21 " " " "	2 75	10 00
24 " " " "	3 00	11 00
27 " " " "	3 25	12 00
30 " " " "	3 50	13 00
33 " " " "	3 75	—
36 " " " "	4 00	—



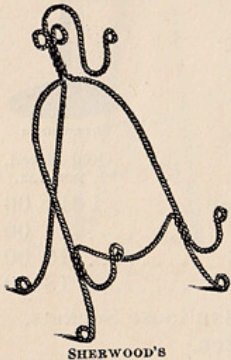
SHERWOOD'S

SHELL EASELS

No.	White Lustral, per doz.	Gold Plated, per doz.
1	\$1 00	\$2 00
2	1 50	3 00
3	2 00	4 00

Put up in boxes of one dozen.

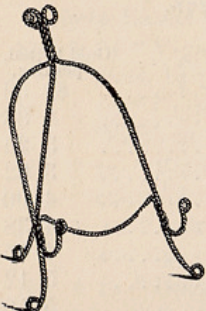
CUP AND SAUCER EASELS.



SHERWOOD'S

No.	White Lustral, per doz.	Gold Plated, per doz.
0 For 5 in. diameter..	\$1 90	\$3 75
1 " 5½ " " ..	1 92	3 88
2 " 6 " " ..	1 95	4 00
3 " 6½ " " ..	2 00	4 25
Assorted to suit.....	2 00	4 25

Lustral, put up in boxes of one dozen.
Gold, put up in boxes of one half-dozen.



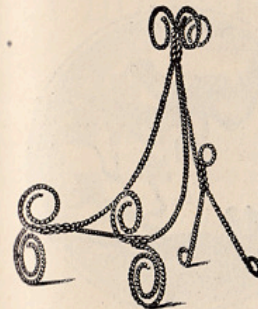
SHERWOOD'S

PLATE EASELS.

No.	White Lustral, per doz.	Gold Plated, per doz.
0 For 6 to 6½ in. diameter.	\$1 65	\$3 25
1 " 7 to 7½ " " ..	1 67	3 38
2 " 8 to 8½ " " ..	1 70	3 50
3 " 9 to 9½ " " ..	1 75	3 75
Assorted to suit.....	1 75	3 75

Lustral, put up in boxes of one dozen.
Gold, put up in boxes of one half-dozen.

SCROLL PLAQUE EASELS.



SHERWOOD'S

No.	White Lustral, per doz.	Gold Plated, per doz.
0.. For 6 to 6½ in. diam..	\$2 00	\$4 00
1.. " 7 " 7½ " " ..	2 50	5 00
2.. " 8 " 8½ " " ..	3 00	6 00
3.. " 9 " 9½ " " ..	3 50	7 00
4.. " 10 " 10½ " " ..	4 00	8 00

Lustral, put up in boxes of one dozen.
Gold, put up in boxes of one half-dozen.

GEM CARD HOLDERS.

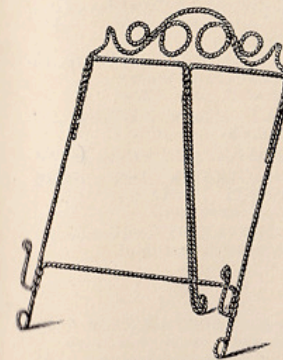


SHERWOOD'S

	White Lustral.	Gold Plated.
Per dozen.....	\$0 60	\$2 00

Lustral, put up in boxes of two dozen.
Gold, put up in boxes of one dozen.

TILE EASELS.



SHERWOOD'S

Put up in boxes
of one dozen.

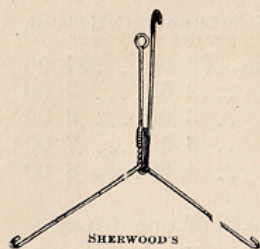


SHERWOOD'S

	White Lustral, per doz.	Gold Plated, per doz.
For 6 x 6, Tile..	\$3 00	\$6 00
" 8 x 8, " ..	4 50	9 00

This cut shows Tile in Easel

PLAQUE HANGERS (IMPROVED).



WITH
SPIRAL SPRING
GUARDS.



(Showing Hanger in use.)

No.	Capacity inches.	Size of Wire.	White Lustral, per doz.	Gold Plated, per doz.
0	6 to 7	No. 13	\$1 20	\$2 90
1	8 " 9	" 13	1 25	3 00
2	10 " 11	" 13	1 50	3 50
3	12 " 13	" 13	1 75	4 00
4	14 " 15	" 11	2 25	6 00
5	16 " 18	" 11	2 50	6 50
6	19 " 21	" 9	4 00	10 00
7	22 " 24	" 9	5 00	12 00

Put up in boxes of one dozen.

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H—Manipulatory Miseries.
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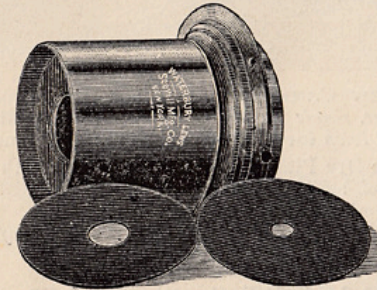
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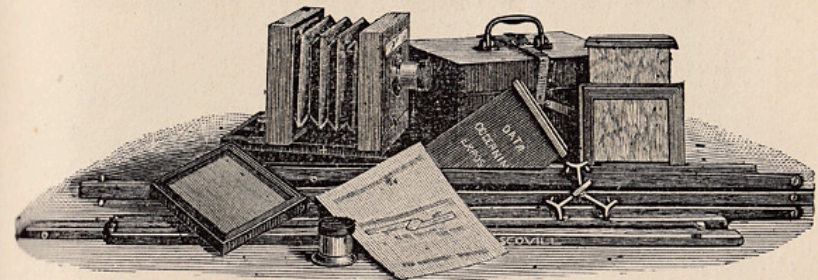
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APPARATUS OUTFITS.

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.



In each outfit the Waterbury Lens is worth more than the price of the whole outfit.

FAVORITE OUTFIT A, price \$10.00, comprises



A FAVORITE VIEW CAMERA to produce 4x5 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*.

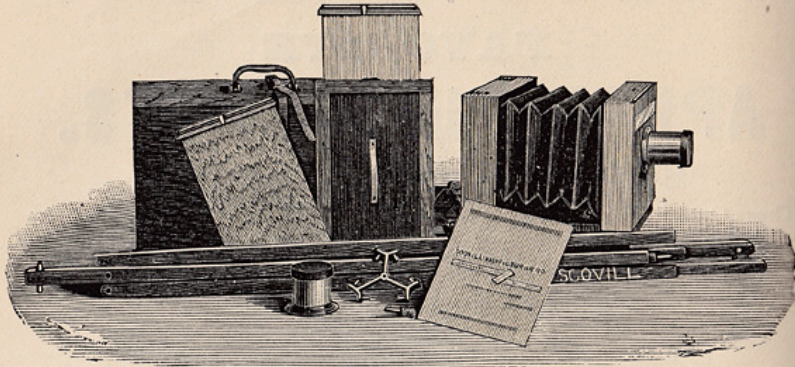
1 Taylor Improved Folding Tripod.

1 No. A "Waterbury" Achromatic Lens with a set of Stops.

1 Carrying Case.

5x7 Favorite Outfit, - - - - Price, \$12.00

FAVORITE OUTFIT B, price \$12.00, comprises



A FAVORITE VIEW CAMERA, to produce pictures 5x8 inches, with *vertical shifting front, single swing movement*, rubber bellows and folding platform, with *patent latch* for making bed rigid instantaneously; also

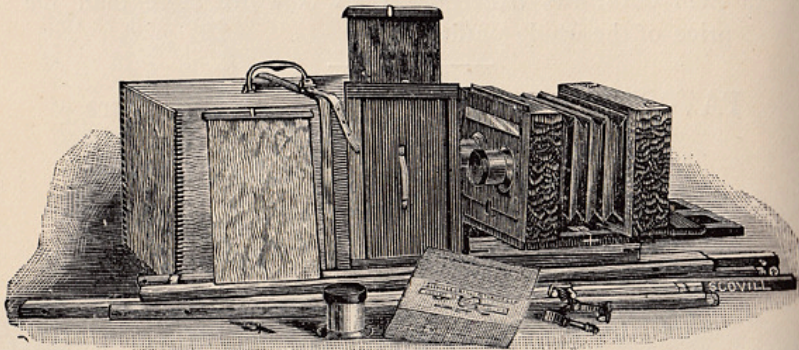
1 Scovill Double Dry Plate Holder (Reversible), with *patent Registering Slides, and with Kits.*

1 Taylor Improved Folding Tripod.

1 No. B "Waterbury" Achromatic Lens with a set of Stops.

1 Carrying Case.

FAVORITE OUTFIT C, price \$18.50, comprises



A FAVORITE VIEW CAMERA, to produce 5x8 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 (5x8 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 Stops.

1 Pair "Waterbury" Achromatic Matched Stereoscopic Lenses, each with Stops.

1 Taylor Improved Folding Tripod.

1 Carrying Case.

FAVORITE OUTFIT D, price \$14.00, comprises

A FAVORITE VIEW CAMERA to produce pictures 6½x8½ 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 a set of Stops.

1 Carrying Case.

FAVORITE OUTFIT E, price \$26.00, comprises

A FAVORITE VIEW CAMERA to produce pictures 8x10 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 a set of Stops.

1 Carrying Case.

**SCOVILL'S
NE PLUS ULTRA OUTFITS.**

4 x 5 Ne Plus Ultra Outfit, price \$9.00, comprises

A 4 x 5 Ne Plus Ultra Camera, which has single swing, rubber bellows, removable front and folding platform.

1 Patent Double Dry Plate Holder.

1 Taylor Folding Tripod.

1 Waterbury Achromatic Lens with Stops.

1 Wooden Carrying Case.

5 x 8 Ne Plus Ultra Outfit, price \$10.00, comprises

A 5 x 8 Ne Plus Ultra Camera, which has single swing, rubber bellows, removable front and folding platform.

1 Patent Double Dry Plate Holder.

1 Taylor Folding Tripod.

1 Waterbury Achromatic Lens with Stops.

1 Wooden Carrying Case.

EQUIPMENT A-A.

Consists of FAVORITE APPARATUS OUTFIT A, with

1 Scovill Focusing Cloth.

1 Dozen 4 x 5 Dry Plates.

1 W. I. A. Petite Lantern.

Complete for field service, Price, \$12.00.

EQUIPMENT B-B.

Consists of FAVORITE APPARATUS OUTFIT B, with the additional articles enumerated in A-A. (Dry Plates 5 x 8 size.)

Complete for field service, Price, \$14.50.

EQUIPMENT C-C.

Consisting of FAVORITE APPARATUS OUTFIT C, with the additional articles mentioned in Equipment A-A. (Dry Plates 5 x 8 size.)
Complete for field service, Price, \$21.00.

EQUIPMENT D-D.

Consisting of FAVORITE APPARATUS OUTFIT D, with the additional articles enumerated in A-A. (Dry Plates 6½ x 8½ inches.) Price, \$17.00.

Where sensitive Plates are taken to a photographer's and there developed, printed from, and mounted on card-board, any of the above Equipments lack nothing that is essential. We recommend the amateur to finish his own pictures, and hence to procure one of the equipments on page 80.

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 (see page 173.)..... 5 25
" 1 Printing and Toning Outfit, 4 x 5 (see page 174.)..... 4 87

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
Also 1 Developing Outfit 5 x 8 (see page 173.)..... 6 50
" 1 Printing and Toning Outfit 5 x 8 (see page 174.)..... 6 88

EQUIPMENT C-C-C.—Price, \$31.00.

Complete in every Requisite for making the Highest Class Pictures.

Consisting of Favorite Apparatus Outfit C.....\$18 50
Also 1 Developing Outfit 5 x 8 (see page 173.)..... 6 50
" 1 Printing and Toning Outfit 5 x 8 (see page 174.)..... 6 38

EQUIPMENT D-D-D.—Price, \$28.00.

Consisting of Favorite Apparatus Outfit D.....\$14 00
Also 1 Developing Outfit 6½ x 8½ (see page 173.)..... 7 00
" 1 Printing and Toning Outfit 6½ x 8½ (see page 174.)..... 7 00

EQUIPMENT E-E-E.—Price, \$42.00.

Consisting of Favorite Apparatus Outfit E.....\$26 00
Also 1 Developing Outfit 8 x 10 (see page 173.)..... 8 50
" 1 Printing and Toning Outfit (see page 174.)..... 8 50

SCOVILL'S

Pure Chemicals & 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:

1 pkg. S.P.C. Carbonate Soda Developer,	1 lb. Alum,
2 4 x 5 Glossy Rubber Pans,	1 bot. S.P.C. Negative Varnish,
1 4 oz. Graduate.	1 doz. 4 x 5 Dry Plates,
1 Minum Graduate,	1 Scovill Focusing Cloth,
1 oz. Bromide Ammonium,	1 Knock-down Lantern,
1 lb. Hyposulphite Soda,	1 Russell Negative Clasp.

PRICE, COMPLETE, \$5.25.

For use with any 5x8 Outfit we supply the same goods, with the exception of the substitution of 5x8 Pans and Plates for the 4x5 size.

PRICE, 5 x 8 DEVELOPING OUTFIT, \$6.50.

" 6½x8½	"	7.00.
" 8x10	"	8.50.

S. P. C.

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

- | | | |
|--|-------------------------|---|
| 1 4 x 5 Printing Frame. | Price complete, \$4.87. | 1 lb. Hyposulphite of Soda. |
| 1 5 x 7 Porcelain Pan Deep. | | 2 dozen sheets 6½ x 8½ Card-board with Gilt Form. |
| 1 4½ x 5½ S. P. C. Vulcanite Tray. | | 1 1 Pint Jar Parlor Paste. |
| 2 dozen 4 x 5 S. P. C. Sensitized Albumen Paper. | | 1 1½ inch Bristle Brush. |
| 1 bottle French Azotate. } For | | 1 Glass Form (for trimming prints). |
| 1 " Chlor. Gold, 7½ gr. } toning. | | 1 Robinson's Straight Trimmer. |
| 1 2 ounce graduate. | | |

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



S. P. C.

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

This outfit is like the one on preceding page, but with Printing Frame, Vulcanite Tray, Sensitized Paper, and Card-board adapted for 5 x 8 Pictures.

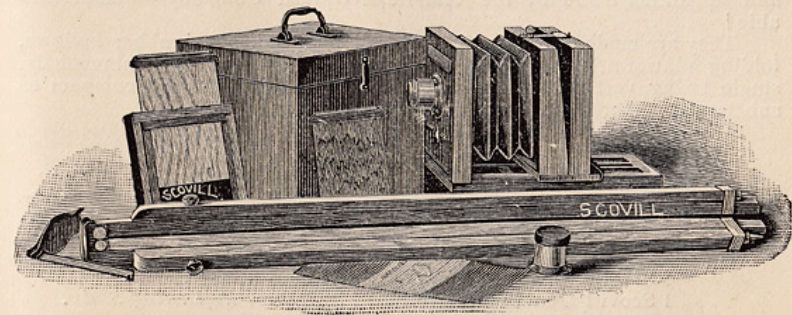
Price complete, \$6.38. Securely packed in a Paper Box.

- 6½ x 8½ Printing and Toning Outfit. Price, \$7.00.
 8 x 10 " " " " " 8.50.



DRY PLATE OUTFITS

INTRODUCED IN 1884.



These outfits are unsurpassed in neatness, lightness, and compactness, and there is no question about their durability. Each one is supplied with a patent reversing attachment, which has been styled "the lightning reverser."

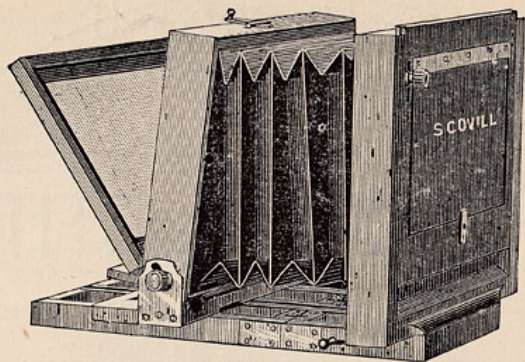
New York Outfit 601, size 4¼x5½, consisting of
 1 Finely Finished Single Swing Camera, with Folding Bed and Improved Dry Plate Holder.
 1 No. 1 Extension Tripod, with Patent Reversing Attachment.
 1 No. A Waterbury Lens, with a set of Stops, and
 1 Compact Carrying Case, with Handle. Price, \$10.00.

New York Outfit 602, size 5x8, same as described above, except in respect to size. Price, \$12.00.

New York Outfit 603, size 6½x8½, same as described above, except in respect to size. Price, \$14.00.

NOTE REDUCTION IN PRICE.

WATERBURY OUTFITS.



THE WATERBURY CAMERAS, introduced in 1885, are like other cameras and apparatus made by the American Optical Company—unapproachable!

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.

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

4x5 Waterbury Outfits, Complete.....\$12 00 28 00

CONSISTING OF

- 1 Single Swing Camera, described above.
- 1 Scovill Double Dry Holder, with *Patent Registering Slides*.
- 1 Wooden Carrying Case.
- 1 Improved Taylor Tripod.
- 1 No. A Waterbury Lens *with a set of Stops*.

LATEST SIZES INTRODUCED	{	4½x5½ Waterbury Outfit, complete	\$14 00
		4½x6½ " " " "	15 00
		5x7 " " " "	16 00

5x8 Waterbury Outfits, Complete.....\$16 50 38 00

CONSISTING OF

- 1 Single Swing Camera, described above.
- 1 Scovill Double Dry Holder, with *Patent Registering Slides*.
- 1 Wooden Carrying Case.
- 1 Improved Taylor Tripod.
- 1 No. B Waterbury Lens *with a set of Stops*.

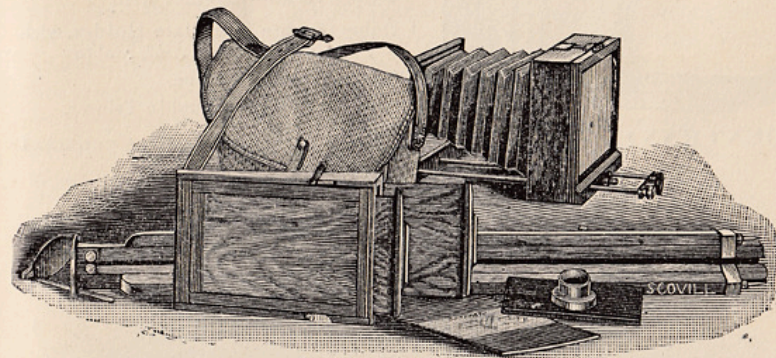
6½x8½ Waterbury Outfits, Complete....\$20 00 44 00

CONSISTING OF

- 1 Single Swing Camera, described above.
- 1 Scovill Double Dry Holder, with *Patent Registering Slides*.
- 1 Wooden Carrying Case.
- 1 Improved Taylor Tripod.
- 1 No. B Waterbury Lens *with a set of Stops*.

Tourists' Pocket Outfits.

When folded up, a 4x5 Tourists' Camera measures but 5½ x 6½ x 2 inches, and it is without any projecting parts, pins or screws, so that it may be slipped into and not tear a gentleman's pocket. The rods which are used to move forward the front of the camera are easily detached from it and drawn out of the bed. The connector at the other end of the rods is just as readily unset. To replace these three parts when the camera is brought out for service, requires no more time or skill than to take them off. They are nicely adjusted, and are polished and nickel plated, so that they add to the handsome appearance of the camera, and contrast well with its polished mahogany surface and the purple hue of its bellows. The weight of this camera and its dry plate holder (but 1½ pounds for the 4x5 size) is on the center of the tripod. In focusing, the front of the camera and the lens are pushed forward, thus avoiding any disarrangement of the focusing cloth. When the focus is obtained, further movement of the lens is checked or stopped by means of a screw acting on a spring, which is pressed at the ends against the focusing rods."



Tourist's Pocket Outfit No. 0206.—4x5 Tourist's Pocket Camera, with
1 Daisy Double Dry Plate Holder, with *Patent Registering Slides*.
1 Scovill Extension Tripod No. 1, with patent reversing attachment.
1 Canvas Carrying Case with Shoulder Strap.
Price, complete, \$21.00.

Tourist's Pocket Outfit No. 0207.—5x8 Tourist's Pocket Camera, with
1 Daisy Double Dry Plate Holder, with *Patent Registering Slides*.
1 Scovill Extension Tripod No. 2, with patent reversing attachment.
1 Canvas Carrying Case with Shoulder Strap.
Price, complete, \$28.00.

We recommend the purchase and use with the above Outfits of a Lens or Lenses selected from the list on page 57.

For Developing and Sensitized Paper Outfits to be used with the above, refer to pages 173 and 174.

CENTENNIAL OUTFITS.

(Introduced in 1876.)

CENTENNIAL OUTFIT No. 202, price \$22.00, Consists of

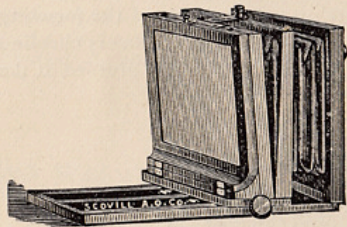
- A MAHOGANY POLISHED CAMERA for taking pictures 4x5 inches, with *Folding Bellows Body*, single swing, hinged bed, and brass guides. It has a shifting front for adjusting the sky and foreground, with
- 1 Daisy Double Dry Plate Holder, with *Patent Registering Slides*; also
- 1 Canvas Carrying Case.
- 1 No. 1 Scovill Adjustable Tripod.

CENTENNIAL OUTFIT No. 202 A, price \$24.00,

The same as No. 202, but with Camera for taking pictures 4½ x 5½ inches.

CENTENNIAL OUTFIT No. 202 B, price \$26.00, for pictures 4¼x6½ inches.

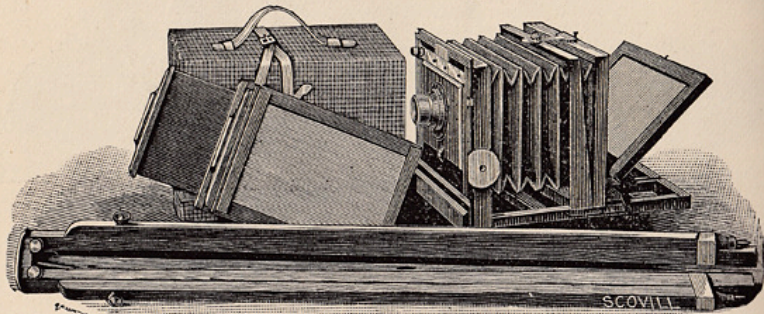
CENTENNIAL OUTFIT No. 203, price \$30.00, Consists of



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 Slids*; also
- 1 Canvas Carrying Case.
- 1 No. 2 Scovill Adjustable Tripod.

CENTENNIAL OUTFIT No. 204, price \$42.00, Consists of



A FOLDING MAHOGANY CAMERA of finest style and finish for taking 6¼ x 8¼ inch pictures, with

- 1 Daisy Dry Plate Holder, with *Patent Registering Slides*; also
- 1 Canvas Carrying Case.
- 1 Scovill Extension Tripod, No. 3.

For larger or special View Cameras, consult the American Optical Company's Catalogue.

We recommend the purchase and use with the above Outfits of a Lens or Lenses selected from the list on page 57.

For Developing and Sensitized Paper Outfits to be used with the above, refer to pages 173 and 174.

THE SCOVILL DETECTIVE CAMERAS.



It has not come to be generally known, but such is the fact, that Artists of renown and shrewd Detectives carry about these Cameras, and pictures are secured by them for their different lines of study through their instrumentality in a manner which is perfectly simple—in fact, it requires no skill other than to get within the range of focus of the unsuspecting victim. As the party, whether man, woman, or child, is not aware that anything unusual is transpiring, the expression of the countenance and the pose are not arranged with reference to their appearance in a picture. A quick working lens is hidden in the camera, and also a few plate holders. By pressing on a spring the whole operation of exposure is completed.

Scovill's Detective Camera, for 3½x4¼ pictures with the marvelous Optimus Lens and three double Dry-plate Holders.....	\$50 00
Scovill's Detective Camera, for 4x5 pictures, with the marvelous Optimus Lens and three double Dry-plate Holders.....	60 00
4¼x6½ Detective Camera, with Beck Lens and three double Dry-plate Holders.....	90 00
5 x7 Detective Camera, with Beck Lens and three double Dry-plate Holders.....	100 00

It followed naturally upon the introduction of the Roll Holder that it should be applied to the SCOVILL DETECTIVE CAMERA, and this has been done in a manner that displays the greatest ingenuity.

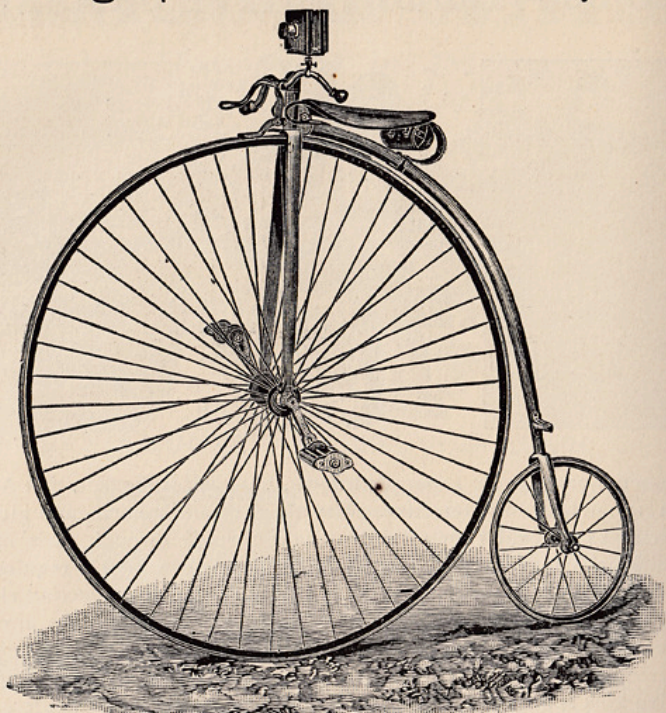
Attached to each is the Patent Automatic Tally, to record the number of exposures made.

No Roll Holder Camera is complete without this.

Scovill's Roll Holder Detective Camera, for 3½x4¼ Pictures, with the marvelous Optimus Lens, Roll Holder, with Automatic Tally, and one double Dry-plate Holder.....	65 00
Scovill's Roll Holder Detective Camera, for 4x5 Pictures, with the marvelous Optimus Lens, Roll Holder, with Automatic Tally, and one double Dry-plate Holder.....	75 00

Many amateurs have declared that the pleasure of picture-taking was not fully revealed to them until they had procured and tried one of the SCOVILL DETECTIVE CAMERAS.

Photographic Outfits for Bicyclists.



WITH WHICH TO SECURE MEMENTOES OF PLEASANT EXCURSIONS.

So popular has amateur photography become among wheelmen, that the two amusements are now often combined. The Camera allows unbounded opportunities to the amateur bicyclist to gather choice landscape views.

BICYCLISTS' "POCKET" PHOTO-OUTFIT,

Consisting of a $3\frac{1}{4} \times 4\frac{1}{4}$ "Pocket" Camera, with Double Dry Plate Holder, with *patent Registering Slides* and Hinged Ground Glass. This Camera weighs only 12 ounces.

A UNIVERSAL JOINT BICYCLE ATTACHMENT.

A. S. M. C. INSTANTANEOUS LENS, with Stops.

The "Pocket" Bicycle Camera weighs only 12 ounces.

PRICE, - - - \$12.00.

NICKEL-PLATED BICYCLE ADJUSTABLE SUPPORT \$1.50
This has no loose pieces, and is so accurately made as to have no side play.

THE "MIGNON" BICYCLISTS' PHOTO-OUTFIT,

(COMPLETE).

Consisting of a $3\frac{1}{4} \times 4\frac{1}{4}$ Finely Polished Mahogany Camera, with Swing Back, Vertical Shifting Front, Hinged Ground Glass, Folding Bed, with *Patent Latch*, Rack and Pinion Movement (Front Focus).

A *Universal Joint Bicycle Attachment*.

A *Morrison Bicycle Lens*, pronounced by authorities on optics to be without a peer.

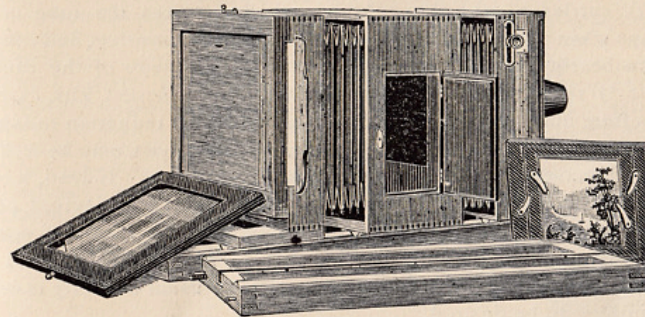
A *Canvas Saddle Bag* lined with flannel, to prevent marring of the fine finish of the camera.

Price of "Mignon" Bicyclists' Photo-Outfit Complete, \$50.00.
Without Lens, \$25.00.

With the lenses just described, clear, sharp pictures can be obtained which will make fine transparencies and lantern slides, or they can be enlarged up to 8x10 size.

WALMSLEY'S PHOTO-MICROGRAPHIC CAMERA.

This instrument (made by the **American Optical Co.**) is the result of several years of practical study by Mr. Walmsley. It is now in use by very many Colleges and leading Microscopists throughout the country, and is confidently offered as an efficient, practical and cheap instrument for the purpose.



It is made in two forms: the cheaper (selling for \$18.00) is adapted only to the making of negatives on plates $3\frac{1}{4} \times 4\frac{1}{4}$, or $4\frac{1}{4} \times 5\frac{1}{2}$, as may be necessary. The complete form (costing \$30) is also a miniature enlarging, reducing and copying camera, admirably adapted to the production of lantern transparencies from any size negative up to $4\frac{1}{4} \times 5\frac{1}{2}$. The following description of the complete camera first published in the PHOTOGRAPHIC TIMES, is also applicable to the cheaper form, excepting that the latter cannot be used for enlarging, reducing or copying. In all other particulars the two boxes are identical.

The camera (of mahogany) is square, carrying a Flammang single plate holder for $4\frac{1}{4} \times 5\frac{1}{2}$ plates; usable vertically or horizontally, and with kits for $3\frac{1}{4} \times 4\frac{1}{4}$ plates. The bellows are in two sections, with a central division of mahogany, which carries a removable partition, to which a suitable rectilinear photographic 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 glass 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. Its design was the result of several years of work and experiment on the part of Mr. Walmsley; and the Scovill Mfg. Co. have carried out his plans in their usual masterly manner, leaving nothing to be 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 by Mr. Walmsley, 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.

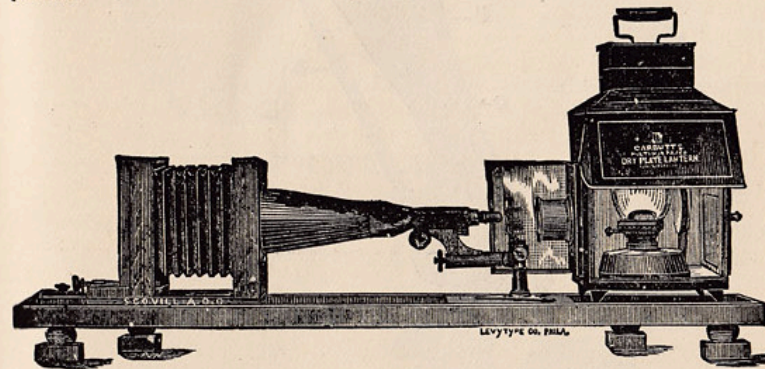
Walmsley Micro-Camera.....	\$18 00
“ “ enlarging, reducing, and copying pattern ..	30 00

SCOVILL'S OUTFIT

For PHOTOGRAPHING with the MICROSCOPE.

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 do, 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.

Scovill's Photomicroscopic Equipment,

— CONSISTING OF —

- 1 Scovill Special Half Plate Camera.
- 1 Multum in Parvo Lantern, with Double Condenser.
- 1 dozen $4\frac{1}{2} \times 5\frac{1}{2}$ size B Keystone Plates to make Negatives; also
- 1 dozen $3\frac{1}{2} \times 4\frac{1}{4}$ size A Plates for Transparencies.

Price, Complete, \$18.00.

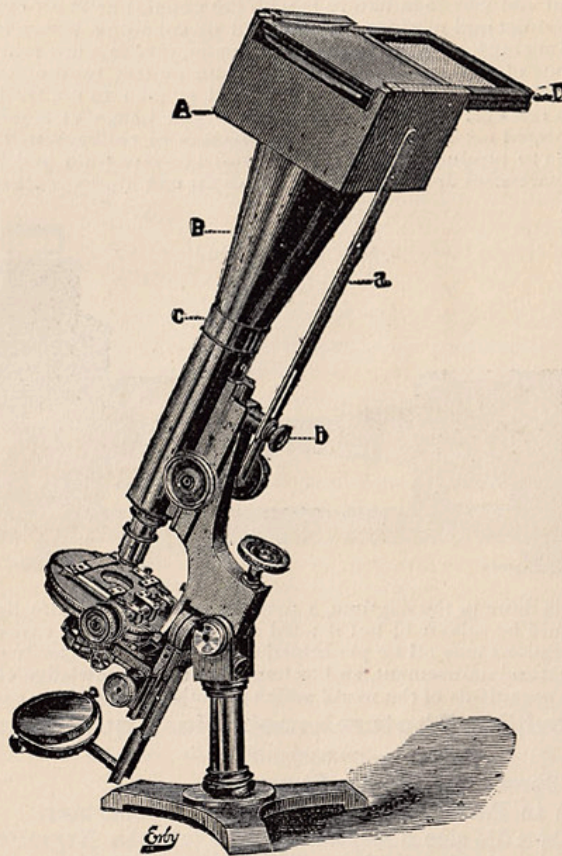
The presumption is that you are provided with a microscope. If not, we recommend the purchase of one from a regular dealer in microscopical goods.

Circular containing directions for use sent with each outfit.

MERCER PHOTOMICROGRAPHIC CAMERA.

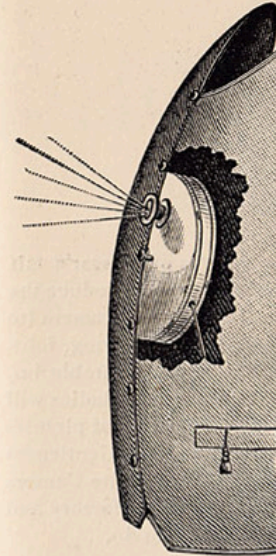
Size, $2\frac{3}{4} \times 3\frac{1}{4}$.

— Price, \$7.50. —



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 Concealed Camera.



This novel Camera is worn concealed underneath the coat, the lens serving as a button, and is operated from the pocket.

It was designed for the use of those who wish to photograph figures, facial expression, groups in action, and all studies in actual life, where opportunity to sketch or to set up an ordinary camera, arrange the focus, draw slides, and such manipulation are out of the question. Beautiful street scenes, that one could not otherwise photograph, are obtained with this camera.

It makes six pictures on a revolving plate.

PRICE, \$15.00.

Patented by Mr. R. D. GRAY.

Circular Dry Plates, Keystone Lightning Brand, for this Camera, \$1.20 per doz.

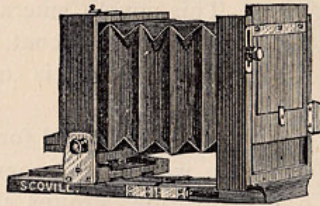
Combined Developing and Printing Outfit.

FOR USE WITH THE CONCEALED CAMERA, COMPRISES

- One $6\frac{1}{2} \times 8\frac{1}{2}$ Flat Printing Frame.
- Two $6\frac{1}{2} \times 8\frac{1}{2}$ Japanned Trays.
- One W. I. A. Petite Dry Plate Lantern.
- One 4-oz. Glass Graduate.
- One 1-oz. " "
- One Package S. P. C. Pyro and Potash Developer.
- One 7 x 9 Glass Pan.
- One Dozen Keystone Lightning Dry Plates, Circular Form.
- Two Dozen $6\frac{1}{2} \times 8\frac{1}{2}$ Sensitized Paper.
- One Bottle French Azotate.
- One Bottle Chloride of Gold (small).
- One lb. Alum.
- One lb. Hyposulphite Soda.

Price of this outfit complete, packed ready for shipment, \$8.00

THE PETITE CAMERA.



This camera was made to suit the refined taste of one of Vassar's fair students. The design on the part of the manufacturers was to reduce the impedimenta for an outing to the minimum, providing a $3\frac{1}{2} \times 4\frac{1}{4}$ camera (to make negatives of suitable size for lantern slides), with single swing, folding bed with *patent latch*, vertical shifting front, and other desirable improvements. So well has the design been carried out that many ladies will follow the example of Vassar's pupils, and learn the fascination of picture-taking with one of these finely-polished mahogany cameras. Gentlemen in search of a pocket camera need not seek further. The Petite Camera and an enlarging camera will by many be considered a satisfactory and complete equipment for such photographing as they desire to do.

PRICE.

Petite Camera with one double Dry-Plate Holder, and <i>patent Registering Slides</i>	\$12 00
Same Camera with canvas bag, with shoulder strap and Scovill's Adjustable (feather weight) Tripod.....	17 00

Scovill's Outfit for Making Lantern Slides consists of

- 1 doz. Thin Crystal Glass.
- 2 " Black Mats.
- 1 package Black Adhesive Paper.
- 1 doz. $3\frac{1}{4} \times 4$ Keystone Gelatino-Albumen Dry Plates.
- 1 package S. P. C. Pyro and Potash Developer.
- 2 $4\frac{1}{2} \times 5\frac{1}{2}$ Solid Glass Pans.
- 1 lb. Hyposulphite Soda.

The above, packed in wooden case, price complete..... \$3 50

For enlarging, reducing, or copying Negatives to make Lantern Slides, we recommend the use of one of the Scovill Enlarging, Reducing and Copying Cameras.

Price-List

OF

PHOTOGRAPHIC CARD STOCK.



SCOVILL
Manufacturing Company,

WAREHOUSE

No. 423 BROOME STREET

New York.

◆ 1887 ◆

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PLAIN
WHITE PHOTOGRAPH CARD BOARDS

PRICE PER ONE HUNDRED.

SIZE OF CARDS.	Double Ext. No. 1	Ext. No. 1	No. 1	No. 2	No. 3
36 x 50		90 00			
24 x 70		85 00			
24 x 50		58 00			
30 x 40		50 00	37 00		
25 x 35, 25 x 30	39 00	28 00	20 00	15 00	12 00
22 x 28	25 00	15 00	13 00	10 50	7 00
20 x 24	21 00	12 50	10 50	9 00	
18 x 22, 17 x 21		11 00	9 50	8 00	
16 x 20, 15½ x 19½, 15 x 19, 15 x 18		8 00	7 00	6 25	
14 x 18, 14 x 17, 14 x 16, 13 x 16, 12 x 14		6 50	5 50	4 50	
11 x 14		3 75	3 25	2 63	1 75
10 x 12		3 13	2 63	2 25	
9 x 11		2 50	2 15	1 75	1 20
8 x 10		2 10	1 75	1 50	
7 x 9		1 70	1 45	1 15	80
6½ x 8½		1 50	1 30	1 05	70

PRICE PER 100.	
No. 41, Tinted, 22 x 28	20 00
No. 36, White, "	18 00
No. 35, White or Tinted, 22 x 28	13 00
No. 24, White or Tinted, 22 x 28	9 00
No. 22, White or Tinted, 22 x 28	7 00
No. 47, White or Tinted Enameled, 22 x 28	12 00

PRICE PER 100.	
No. 42, White or Tinted Enameled Back, 22 x 28	17 00
No. 18, White or Tinted Enameled, 22 x 28	17 00
Extra No. 1, Black or Chocolate, 22 x 28	20 00
No. 3½, White, "	3 50
" 6 " "	3 75
" 4½ " "	4 25
B " "	4 50

PLAIN TINTED PHOTOGRAPH CARD BOARDS

TEA, GRAY, LIGHT BUFF, DARK BUFF, DOVE, PEARL, GRANITE-BLUE,
GRANITE-DRAB, ROSE OR PRIMROSE.

PER ONE HUNDRED.

SIZE OF CARDS.	Ex. No. 1	No. 1	No. 2	No. 3
22 x 28	15 00	13 00	10 50	6 50
20 x 24	12 50	10 50		
18 x 22, 17 x 21	11 00	9 50		
16 x 20, 15½ x 19½, 15 x 19, 15 x 18	8 00	7 00		
14 x 18, 14 x 17, 14 x 16, 13 x 16, 12 x 14	6 50	5 50		
11 x 14	3 75	3 25	2 63	
10 x 12	3 13	2 63		
9 x 11	2 50	2 15	1 75	
8 x 10	2 10	1 75		
7 x 9	1 70	1 45	1 15	
6½ x 8½	1 50	1 30	1 05	

PLAIN TINTED PHOTOGRAPH CARD BOARDS

PER ONE HUNDRED.

Extra No. 1, Gray, 36 x 50	90 00
“ “ 1, Gray, Light Buff or Granite-Blue, 30 x 40	50 00
“ “ 1, Gray, Light Buff or Tea, 25 x 35, 25 x 30	28 00

ENAMELED FACE CARDS, PLAIN BACK.

PER ONE HUNDRED.

No. 75, Black or Chocolate, 30x40	65 00
“ 75, Black or Chocolate, 25x35 or 25x30	26 00
“ 75, Black, Chocolate, Tea, Fawn, Gray or Green, 22x28	8 00
“ 104, “ “ “ “ “ “ 22x28	3 75

WHITE PLAIN PHOTOGRAPH CARD BOARDS.

Per One Hundred.

SIZE OF CARDS.	No. 50	No. 51	No. 52	No. 16	No. 60
24 x 34	15 00	9 50	8 50		
22 x 32	11 00	7 50	6 25		
22 x 28	9 50	6 25	5 25	12 00	7 00
20 x 24	8 00	5 50	4 50		
18 x 22, 17 x 21	6 75	4 50	3 75		
16 x 20, 15 x 18	5 50	3 63	3 13		
14x18, 14x17, 14x16, 13x16, 12x14	4 00	2 75	2 25		
11 x 14	2 38	1 55	1 31		
10 x 12	2 00	1 38	1 13		
9 x 11	1 60	1 05	88		
8 x 10	1 30	90	75		
7 x 9	1 05	70	60		
6½ x 8½	95	63	53		

GRAY FACE CARDS, PLAIN BACK.

Per One Hundred.

No. 74, 30 x 40	33 00	No. 74, 13 x 16 to 14 x 18	3 75
“ 74, 25 x 35	18 00	“ 74, 11 x 14	1 88
“ 74, 25 x 30	15 00	“ 74, 10 x 12	1 75
“ 74, 22 x 28	7 50	“ 74, 9 x 11	1 25
“ 74, 20 x 24	7 00	“ 74, 8 x 10	1 20
“ 74, 16 x 20	5 00	“ 153, 22 x 28	6 00

MUSLIN LINED AND MUSLIN BACK CARDS.

Per One Hundred.

	22x28	11x14	10x12	9x11	8x10	7x10	5x8
No. 145, White, Muslin Back	9 00	2 25	2 10	1 55	1 45	1 15	75
No. 125, White, Muslin Back	11 00	2 75	2 60	1 90	1 80	1 45	90
No. 144, White, Muslin Lined	11 00	2 75	2 60	1 90	1 80	1 45	90
No. 144, Muslin Lin'd Duplex Green, Salmon, Yellow, Blue, Pink or Gray Face, White Backs	11 75	2 95	2 80	2 00	1 90	1 50	1 00

**CARD BOARDS, WITH INDIA TINTS, ALSO
WITH DESIGNS IN GILT OR INDIA TINT AND GILT,
SQUARE OR OVAL OPENINGS.**

For Promenade, Cabinet, 4x5, 5x8, 4-4, 8x10, 10x12, 11x14 and 14x17 Photos.

DESCRIPTION.	Per 100
No. 23, 11 x 14, with Plain Square India Tint, 6½ x 9½, for 5 x 8 Photos.	4 75
" 23½, 8 x 10, with Plain Square India Tint, 5 x 6, for 4 x 5 Photos.	3 25
" 20, 11 x 14, with Plain Square, India Tint, 8 x 10½	4 75
" 21, 10 x 12, with Square Ornamented India Tint, 7 x 9	4 25
" 21, 14 x 17, with Square Ornamented India Tint, 9 x 11	8 00
" 21, 16 x 20, with Square Ornamented India Tint, 12x15	11 00
" 21, 18 x 22, with Square Ornamented India Tint, 13x16	15 00
" 12, 7 x 10, White, Light Buff, Gray, Rose or Pearl, Gilt Borders, Square Opening, 4½ x 7½	2 00
" 10, 8 x 10, White, Light Buff, Gray, Rose or Pearl, Gilt Borders, Square Opening, 4½ x 5½	2 50
" 15, 8 x 10, Gilt and India Tint, Oval Opening, 4½ x 5½, Square Opening, 4½ x 6	3 50
" 17, 8 x 10, White, India Tint and Gilt, Square Opening 4½ x 5½	3 25
" 17, 10 x 12, White, India Tint and Gilt, Square Opening, 4½ x 5½	4 50
" 17, 10 x 12, White, Buff, or Pink Enameled Cards, Square Opening 4½ x 5½	3 25
" 12, 8 x 10, White, Light Buff, Gray or Pearl, Gilt Borders, Square Opening, 6 x 8	3 00
" 34, 8 x 10, White, Light Buff, Pearl or Gray, India Tint and Gilt, Square or Oval Openings 5½ x 7½	3 50
" 12, 10 x 12, White, Light Buff, Gray or Pearl, Gilt Borders, Square Opening, 6 x 8	4 25
" 29, 10 x 12, Gilt and India Tint, Oval or Square Openings, 6 x 8	5 00

[For the Cost of Printing Name and Address on the above, see page 41.]

CARD BOARDS, WITH INDIA TINTS, &c.

(CONTINUED.)

DESCRIPTION.	Per 100
No. 31, 10 x 12, Gilt and India Tint, Oval and Square Openings, 6 x 8	5 00
" 28, 11 x 14, Gilt and India Tint, Square Opening 6 x 8	7 00
" 12, 10 x 12, White, Light Buff, Gray or Pearl, Gilt Borders, Square Opening, 7 x 9	4 25
" 11, 11 x 14, White, Light Buff, Gray or Pearl, Gilt Borders, Square Opening, 8 x 10	5 75
" 30, 11 x 14, India Tint and Gilt, Square and Oval Openings, 7½ x 9½	7 00
" 11, 14 x 17, White, Light Buff, Gray or Pearl, Gilt Borders, Square Opening, 9 x 11 or 10 x 13	10 00
" 32, 14 x 17, White or Pearl, India Tint and Gilt, Square Opening, 10 x 13	13 00
" 11, 16 x 20, White, Light Buff, Gray or Pearl, Gilt Borders, Square Opening, 11 x 14	11 00
" 32, 16 x 20, White or Pearl, India Tint and Gilt, Square Opening, 10 x 13	14 00
" 40, 11 x 14, India Tint and Gilt Borders, 7½ x 9½ Square Opening	7 00
" 40, 14 x 17, India Tint and Gilt Borders, 9½ x 11½ Square Opening	13 00
" 40, 16 x 20, India Tint and Gilt Borders, 10½ x 13½ Square Opening	14 50
" 44, 20 x 24, White, Light Buff or Gray, Square Opening 13½ x 16½	20 00

[For the Cost of Printing Name and Address on the above, see page 41.]

PRICE PER ONE HUNDRED FOR
PRINTING THE FOLLOWING FORMS IN GILT,
 WITH OR WITHOUT IMPRINT.

	ON CARDS 6½ x 8½ to 11 x 14.	ON CARDS 12 x 14 to 14 x 18.	ON CARDS 15 x 18 to 16 x 20.	ON CARDS 18 x 22 to 22 x 28.
Square or Oval, Plain Forms	88	2 00	4 00	6 50
Forms A, B, C, D, E, F .	88	2 00	4 00	
Rustic Forms	1 25	2 50	4 00	6 50
	For less than 100 same price.	For a lot of 50 or less deduct 20 per cent.	For a lot of 50 or less deduct 25 per cent.	For a lot of 50 or less deduct 25 per cent.

The above prices will apply to the Sizes of Openings and Style of Borders as follows:

RUSTIC, OVAL, OR SQUARE, PLAIN FORMS.

12 x 15	9 x 11	7½ x 9½	6 x 8	5 x 7
11 x 14	8¾ x 10¾	7¼ x 9¼	5¾ x 7¾	4½ x 6½
10½ x 13½	8½ x 10½	7 x 9	5½ x 7½	4 x 6
10 x 12	8 x 10	6½ x 8½	5 x 8	4¼ x 5¼

FORM D, AND FORM E.

4½ x 7½	5 x 7	5 x 8	7 x 9	8 x 10
4 x 6	5½ x 7½	6 x 8	7½ x 9½	11 x 14
4¾ x 7¾	5¾ x 7¾	6½ x 8½	7¾ x 9¾	

SIZES OF OPENINGS.

For Form A,	6 x 8 . 5 x 8 . 5½ x 7½ . 5 x 7 . Square.
" " A,	6 x 8 . 5½ x 7½ Oval.
" " B,	4 x 6 Square or Oval.
" " C,	2½ x 3½ Oval.
" " C,	2½ x 4 Square.
" " F,	4¼ x 5¼ . 5 x 8 . 5¼ x 7¼ . 6 x 8 . Square.

SCALE OF PRICES PER 100 FOR
TINTING CARDS WITH PLAIN INDIA TINTS.

Engraving Imprint to appear in White in the Tint, \$1.75 for the first order. For Imprinting Name and Address by Letter-Press, see page 41.

SIZE OF CARDS. FROM	IN LOTS OF								
	100	200	300	400	500	600 or 700	800 or 900	1000	
6½ x 8½ to 11 x 14 .	4 15	3 20	2 30	2 05	1 87	1 80	1 60	1 46	
12 x 14 to 14 x 17 .	4 25	3 37	3 05	2 35	2 15	2 05	1 95	1 86	
15 x 18 to 18 x 22 .	4 80	3 70	3 30	3 05	2 88	2 80	2 38	2 10	
20 x 24 to 22 x 28 .	7 20	5 20	4 55	4 20	3 85	3 55	3 20	3 10	

PAPER MATS.

The following Prices apply to the Color of Cards and Sizes of Openings herein enumerated. Any deviation in orders from this list, will necessitate an increase in the Prices over those mentioned below.

Oval Openings. White, Gray or Light Buff Cards.	Per 100
Cards 11 x 14, Openings 7 x 9, 7½ x 9½, 8 x 10	3 50
Cards 10 x 12, Openings 5 x 7, 5½ x 7½, 5¾ x 7¾, 6 x 8, 6½ x 8½, 7 x 9, 7½ x 9½, 8 x 10	1 30
Cards 8 x 10, Openings 2½ x 3½, 2½ x 3½, 3 x 4, 3 x 4½, 3½ x 4½, 3½ x 5, 3¾ x 5¼, 4¼ x 5½, 4 x 6, 4½ x 6, 4½ x 6½, 5 x 7, 5¼ x 7¼, 5½ x 7½, 5¾ x 7¾, 6 x 8	1 05
Square or Arch Top Openings, White, Gray or Light Buff Cards.	Per 100
Cards 10 x 12, Openings 5 x 7, 5½ x 7½, 6 x 8, 6½ x 8½, 7 x 9, 7½ x 9½, 8 x 10	1 30
Cards 8 x 10, Openings 2½ x 3½, 2½ x 3½, 3½ x 4½, 3½ x 5, 3¾ x 5¼, 4 x 6, 4½ x 6, 4½ x 6½, 5 x 7, 5¼ x 7¼, 5½ x 7½, 5¾ x 7¾, 6 x 8	1 05

BLACK PAPER MATS.—A.

On Cards 10 x 12, \$3.00 per 100		On Cards 8 x 10, \$2.25 per 100	
Oval or Square Openings.	Arch Top Openings.	Oval or Square Openings.	Arch Top Openings.
6 x 8	6½ x 8½	3½ x 5	3¾ x 5¼
6½ x 8½	7 x 9	3¾ x 5¼	4½ x 6½
7 x 9	8 x 10	4½ x 6½	5 x 7
7½ x 9½		5 x 7	5½ x 7½
8 x 10		5½ x 7½	6 x 8

CARDS AND MATS FOR MOUNTING CHROMOS.

Per One Thousand.

White, Buff, Pearl and Gray Cards, 9 x 11, Blue Border	6 25
Black Cards, 9 x 11, Gilt Border	9 00
Black Mats—B. Cards 8x10, 5x7, 5½x7½ Oval Openings	10 00

FERROTYPE MATS.

Per One Thousand.

No. 2, White, Gray or Buff Cards, Red Borders	2 00
Nos. 3, 4, 4½, 5, 6, Oval Openings. Nos. 9 and 10, Arch Top Openings, White, Buff, or Gray Cards, with Gilt or Red Borders	2 00

No. 11 BON TON CARDS, 3⅛ x 4⅝.

Per One Thousand.

OVAL AND ARCH TOP OPENINGS, 2 x 3¼.

White Cards, Gilt Borders, Buff Cards, Red Borders,	2 50
---	------

FITZGIBBON'S ADHESIVE FERROTYPE MOUNTS.

Patented September 10th, 1872.

Per One Thousand.

No. 2, Oval Openings, Pearl or Pink Cards, Red Borders, Red Cards, Gilt Borders	1 75
Nos. 3, 4, 4½, 5, 6, Oval Openings, Buff Cards, Red Borders	2 75
“ 9 and 10, Arch Top “ “ “	2 75

PHOTOGRAPH AND FERROTYPE VISITING CARDS.

Per One Thousand.

White Cards, 2 x 3½, One Oval Opening 1½ x ¾	3 00
“ “ 2½ x 4, Two Oval Openings 1½ x ¾	3 75

ENVELOPES FOR MAILING PHOTOGRAPHS.

Per One Thousand.

DESCRIPTION.	Card Size.	Cabinet Size.	Promenade Size.	Panel Size.	Boudoir Size.	Imperial Size.
No. 81½, Buff	2 40	4 00	5 50	5 50	8 00	8 25
“ 7015, Buff	3 00	5 75				
Granite-Blue	3 00	5 25				
Olive or Fawn Antique		6 50				
No. 74½, Manilla		3 50				
No. 72 E, “		2 40				

[For Imprinting Name and Address, see page 40.]

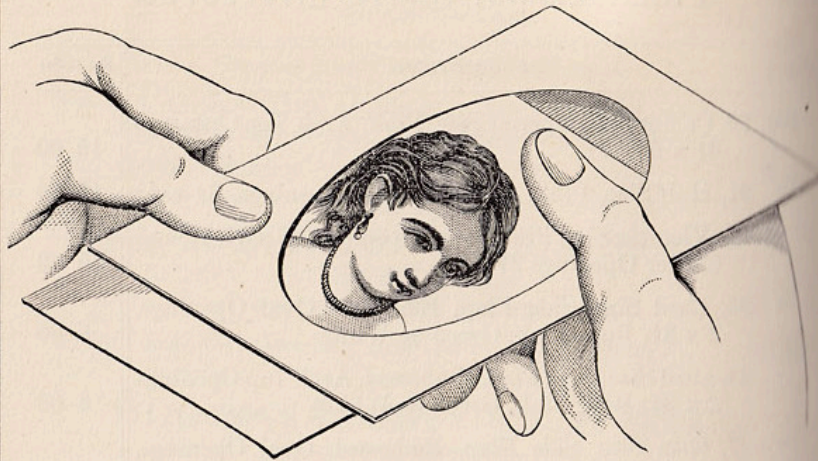
PHILADELPHIA CARTE ENVELOPES.

DESCRIPTION.	Per 1000
No. 20, Cabinet or Imperial Size, Pink, Arch Top Openings 3¼ x 5¼	15 00
“ 21, Half Size, Pink, Round Corner Openings, 3½ x 4½	12 50
“ 22, Victoria Size, Pink, Oval Openings, 2⅝ x 3⅝, Round Corner Openings 2¾ x 4	10 00
“ 23, Card Size, Side Flap, Embossed, Oval Openings, 2 x 3¼, Buff, Pink, Green or White	6 00
“ 24, Card Size, Side Flap, Embossed, Arch Top Openings 2 x 3¼, Buff, Pink, Green or White	6 00
“ 27, Gem Size, Side Flap, Embossed, Oval Openings, 1¾ x 2½, Buff, Pink, Green or White	5 00
“ 28, Gem Size, Side Flap, Embossed, Arch Top Openings 1¾ x 2½, Buff, Pink, Green or White	5 00
“ 15, Oval or Arch Top Openings, 3 x 4½, with Pink Flap, Buff or Pearl Cards, Red Borders, for Cabinet Size Ferrotypes	6 00
“ 13, Oval Openings only, 1½x3, Floral Designs	6 00
“ 17, Buff or Rose, Oval or Arch Top Openings, 2 x 3½, Red Borders	1 50
“ 12, Oval or Arch Top Openings, 2 x 3½, Pink Flap, Buff Cards, Embossed	4 00
“ 11, Oval or Arch Top Openings, 2 x 3½, Maroon Cards, Brown Flap, Buff or White Cards, Pink Flap, Gilt Borders	3 50
“ 11, Oval or Arch Top Openings, 2 x 3½, Pink Flap, Buff or Pearl Cards, Red Borders	2 25
“ 111, Oval or Arch Top Openings, 2 x 3½, Pink Flap, Buff or Pearl Cards, Red Borders	2 00
“ 11, Black Cards, Gilt Borders, Oval and Arch Top Openings, 2 x 3½	4 50
Nos. 4 and 6, Oval Openings, No. 10, Arch Top Openings, Pink Flap, Buff Cards, Embossed	3 25
“ 3, 4, 4½, 5 and 6, Oval Openings, Nos. 9 and 10, Arch Top Openings, Pink Flap, Buff or White Cards, Gilt or Red Borders; or Pearl Cards, Red Borders	3 25

[For Imprinting Name and Address, see page 40.]

CATERSON'S FERROTYPE HOLDERS.

PATENT ISSUED OCTOBER 21st, 1873.



BLACK, ROSE OR GRAY CARDS, WITH GILT BORDERS, AND
ROSE OR PEARL CARDS, WITH RED BORDERS. Per 1000

Nos. 3, 4, 4½, 5 and 6, Oval Openings	4 00
" 9 and 10, Arch Top Openings	4 00

BLACK, ROSE OR GRAY CARDS, WITH GILT BORDERS, AND
BUFF, ROSE OR PEARL CARDS, WITH RED BORDERS.

No. 30, Oval and Arch Top Openings	4 25
" 31, Rose Tint or Black, Gilt Borders, Oval and Arch Top Openings 3½ x 5, for Cabinet Size	18 00

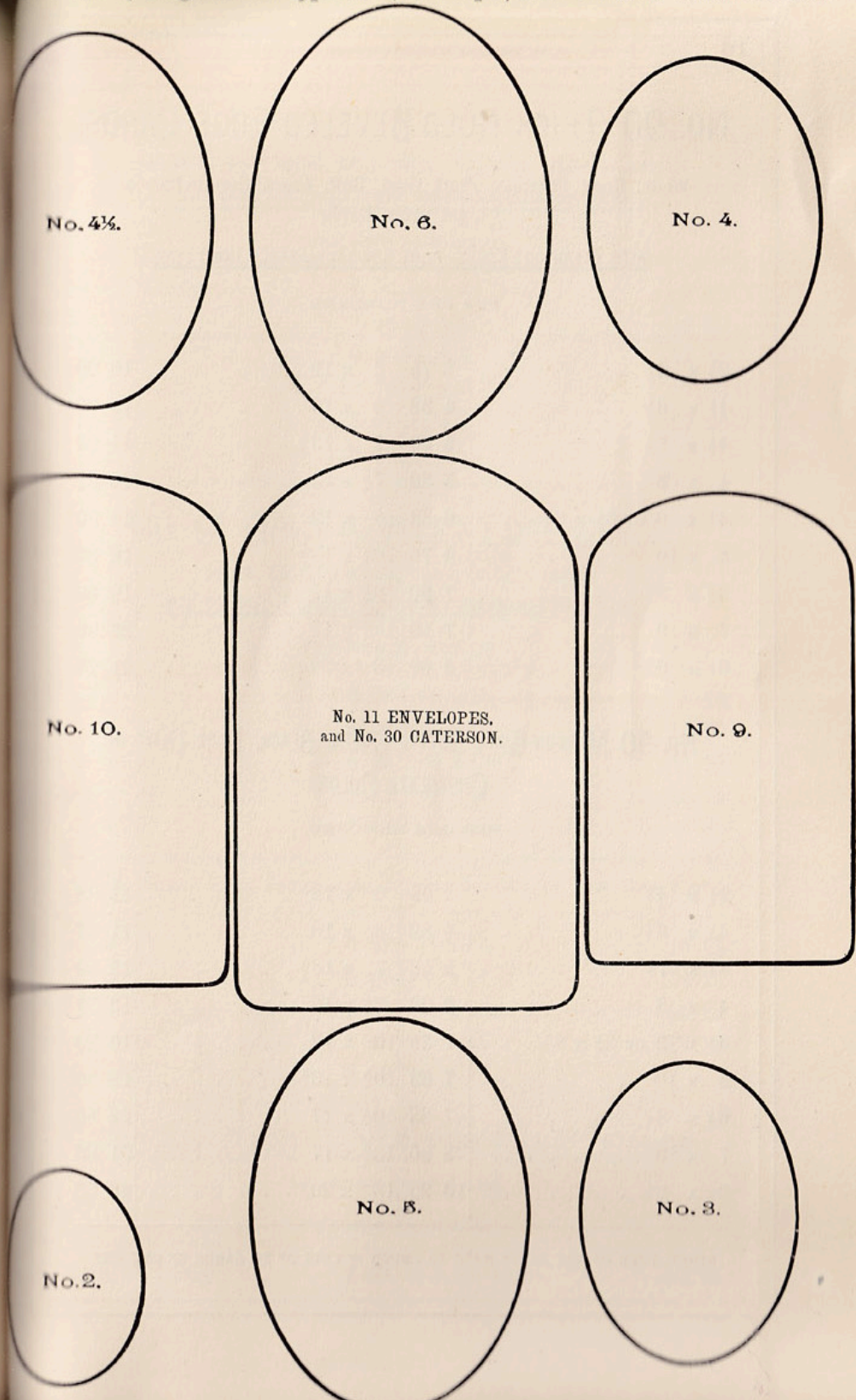
CATERSON'S CASES.

PATENTED JULY 4th, 1882.

No. 103, Buff or
Pearl Cards,
Red Borders,
Arch Top
Open'g 2x3¼,
\$1.50 per 1000.



No. 103, Buff or
Pearl Cards,
Red Borders,
R'nd Corner
Opn'g 2¼x3¼,
\$1.50 per 1000.



No. 90 THICK GOLD BEVELED EDGE CARDS.

White, Rose, Primrose, Pearl, Gray, Buff, Azure, Granite-Blue or Light Green Cards.

WITH CLEAN CUT EDGES—PURE NON-TARNISHABLE GOLD LEAF.

PER ONE HUNDRED.

2½ x 4¼	2 75	6 x 12	10 00
4¼ x 6½	4 38	8 x 10	10 00
4½ x 7½	5 00	7 x 13¾	11 00
4 x 8	5 50	7½ x 13	12 00
4½ x 9 or 5¼ x 8½	6 38	10 x 12	14 00
5 x 10	6 75	10¼ x 13¾	16 00
6½ x 8½	7 00	10½ x 17	19 50
7 x 9	7 50	13¾ x 17	26 50
6¾ x 9¾	9 00	16 x 20	41 25

No. 90 MAROON-GRAY, BOTTLE-GREEN, BLACK, DARK OLIVE OR CHOCOLATE COLOR.

PER ONE HUNDRED.

2½ x 4¼	3 00	6 x 12	11 38
4¼ x 6½	4 88	8 x 10	11 38
4½ x 7½	5 50	7 x 13¾	12 50
4 x 8	6 00	7½ x 13	13 75
4½ x 9 or 5¼ x 8½	7 25	10 x 12	16 25
5 x 10	7 63	10¼ x 13¾	18 50
6½ x 8½	7 88	10½ x 17	22 50
7 x 9	8 50	13¾ x 17	31 00
6¾ x 9¾	10 25	16 x 20	48 00

OTHER SIZES OF THE ABOVE MADE TO ORDER IN LOTS OF 20 CARDS OF ONE SIZE.

No. 90 THICK GOLD BEVELED EDGE CARDS.

WHITE, ROSE, BUFF, AZURE, GRAY, PEARL, PRIMROSE, BLACK OR MAROON.

WITH CLEAN CUT EDGES—PURE NON-TARNISHABLE GOLD LEAF.

PER ONE HUNDRED.

3 inch Circles	6 00	3½ x 4½ Oval	9 50
4 " "	7 50	4½ x 6 "	12 50
5 " "	9 00	5 x 7 "	14 50
6 " "	12 00	6 x 8 "	17 50
7 " "	18 00	7 x 9 "	20 00
9 " "	26 00		

No. 91 GOLD BEVELED EDGE CARDS.

WHITE, ROSE, PRIMROSE, PEARL OR GRAY CARDS.

WITH CLEAN CUT EDGES—PURE NON-TARNISHABLE GOLD LEAF.

PER ONE HUNDRED.

4¼ x 6½	3 13	7½ x 13	8 75
4 x 8	4 00	10 x 12	11 00
5 x 10	5 25	10¼ x 13¾	11 50
6½ x 8½	5 25	10½ x 17	14 75
8 x 10	7 63		

No. 91 Maroon-Gray, Bottle-Green, Black, Chocolate, or Dark Olive Cards.

4¼ x 6½	3 50	7½ x 13	10 25
4 x 8	4 50	10 x 12	12 75
5 x 10	6 00	10¼ x 13¾	13 25
6½ x 8½	6 00	10½ x 17	17 50
8 x 10	9 00		

PATENT CARD BOXES FOR PANEL CARDS.

TO HOLD ONE CARD

PER ONE HUNDRED.

2½ x 4¼, Boxes	7 00	4¼ x 6½, Boxes	10 00
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No. 90 GOLD BEVELED EDGE PANEL CARDS.

Made to order in lots of One Dozen or more, with Buff or Maroon Leatherette Face.

PER ONE DOZEN.

8 x 10	3 50	10½ x 17	6 50
10 x 12	4 38	13¾ x 17	8 50
10¾ x 13¾	5 63	16 x 20	13 63

No. 121 THICK SERRATED EDGE CARDS.

(Patent No. 219,464.)

White, Rose, Primrose or Gray.

PER ONE HUNDRED.

	Red Edge.	Gold Edge
4½ x 6½	3 38	5 00
4 x 8	4 25	6 00
5 x 10	5 50	7 25
6½ x 8½	5 50	7 25
8 x 10	7 88	10 13
6 x 12	8 25	11 00
7½ x 13	9 00	12 25

No. 121 THICK SERRATED EDGE CARDS.

(Patent No. 219,464.)

Maroon-Gray, Bottle-Green, Black, Chocolate or Dark Olive.

PER ONE HUNDRED.

	Red Edge.	Gold Edge
4½ x 6½	3 75	5 38
4 x 8	4 75	6 50
5 x 10	6 25	8 00
6½ x 8½	6 25	8 00
8 x 10	9 13	11 38
6 x 12	9 38	12 25
7½ x 13	10 50	13 75

CARD AND CABINET MOUNTS WITH PLAIN BEVELED EDGES.

(Patented October 5th, 1880.)

Per 1000

No. 71, Card Size, Gray Cards, White Edges,	2½ x 4½	4 00
" 71, Cabinet " " " " " "	4½ x 6½	8 50
" 45, Card Size, Maroon-Gray, Tinted Edges,	2½ x 4½	4 25
" 45, Cabinet " " " " " "	4½ x 6½	9 00
" 45, Card Size, Black, Chocolate or Bottle-Green Face, Gray Backs, Tinted Edges	2½ x 4½	3 75
" 45, Cabinet Size, Black, Chocolate or Bottle-Green Face, Gray Backs, Tinted Edges	4½ x 6½	7 50

No. 99 WHITE OR CREAM COLOR CARDS, WITH PLAIN, RED OR GOLD SERRATED EDGES.

(Patent No. 219,464.)

Per 1000

Card Size, Plain Edges	2½ x 4½	6 50
Cabinet " " "	4½ x 6½	13 50
Card Size, Red Edges	2½ x 4½	8 00
Cabinet " " "	4½ x 6½	15 00
Card Size, Gold Edges	2½ x 4½	9 00
Cabinet " " "	4½ x 6½	16 00

No. 59 GOLD AND TINTED BEVELED-EDGE CARDS, WITH SERRATED EDGES.

(Patented October 5th, 1880.)

A, White—Gold and Salmon Edge; B, White—Gold and Blue Edge; F, Primrose—Gold and Pink Edge; I, Pearl—Gold and Pink Edge.

Per 1000

Card Size,	2½ x 4½	10 50
Cabinet "	4½ x 6½	17 50

No. 85 THIN PLAIN BEVELED-EDGE CARDS.

(Patented October 5th, 1880.)

A, White—Salmon Edge; B, White—Blue Edge; D, Rose—Fawn Edge; F, Primrose—Pink Edge; G, Gray—White Edge; H, Primrose—Green Edge; I, Pearl—Pink Edge.

Per 1000

Card Size, Round Corners	2½ x 4½	5 00
Cabinet " " "	4½ x 6½	11 00
Panel " " "	4 x 8½	18 00
Boudoir " " "	5½ x 8½	22 00
Imperial " " "	6½ x 9½	31 50
Promenade Size, Square Corners	4½ x 7½	15 00

SPANGLED GOLD BEVELED EDGE CARD AND CABINET MOUNTS.

(Patent No. 219,464.)

Per 1000

DESCRIPTION.	Card Size.	Cabinet Size.
No. 78, Primrose or Rose, Enameled Backs, Plain Face	9 00	15 00
" 78, Black, Chocolate, Dark Olive or Bottle-Green, Enameled both sides, and Duplex Maroon-Gray	9 00	15 00
" 78½, Maroon, Enameled both sides	10 00	17 50
" 87, Black, Chocolate, Bottle-Green or Dark Olive, Enameled Face, Gray Backs	8 50	14 00

LIST OF SIZES AND PRICES PER 100 OF

No. 73 SPANGLED OR SERRATED GOLD BEVELED EDGE CARDS.

Made to order in lots of 50 or more in No. 26 White, Primrose, Pearl, Gray, Rose, Black, Bottle-Green, Chocolate, No. 67 Maroon-Gray, or No. 68 Maroon on both sides. Lots of less than 50 subject to an addition to these prices.

(Patent No. 219,464.)

	White or Tinted.	Black, Chocolate, Bottle-Green or Maroon-Gray.	Maroon, both sides.
4¼ x 5¼	1 75	1 88	2 13
4¼ x 6½	1 85	2 00	2 30
4 x 8¼	2 75	3 00	3 38
5 x 8	3 38	3 75	4 38
5¼ x 8½			
5 x 10	4 00	4 38	5 00
6½ x 8½			
6¼ x 9½	4 63	5 13	5 88
8 x 10	6 50	7 13	8 13
6 x 12			
7½ x 13	7 38	8 00	9 25

THIN RED BEVELED EDGE CARDS.

No. 19 WHITE, ROSE, PRIMROSE OR PEARL.

Per 1000

Card Size, Round Corners,	2½x4½	4 50
Cabinet " " "	4¼x6½	8 50

No. 344 ENAMELED FACE, GRAY BACKS, BLACK, CHOCOLATE, BOTTLE-GREEN OR DARK OLIVE.

Card Size, Round Corners,	2½x4½	5 00
Cabinet " " "	4¼x6½	8 75

No. 65 DUPLEX MAROON-GRAY OR BOTTLE-GREEN GRAY.

Card Size, Round Corners,	2½x4½	6 00
Cabinet " " "	4¼x6½	11 50

LIGHT OLIVE, ENAMELED BACKS, UNENAMELED FACE.

No. 43, Card Size, Round Corners,	2½x4½	6 00
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OLIVE, DARK OLIVE OR BROWN, ENAMELED BOTH SIDES.

No. 43, Card Size, Round Corners,	2½x4½	6 00
" 43, Cabinet " " "	4¼x6½	11 00
" 26, " " " "	4¼x6½	13 00
" 26, Panel " " "	4 x8¼	19 00
" 26, Boudoir " " "	5¼x8¼	24 00
" 26, Imperial " " "	6¼x9¼	33 50

THIN GOLD BEVELED EDGE CARDS.

WITH CLEAN CUT EDGES—PURE NON-TARNISHABLE GOLD LEAF.

PETITE CARDS.

	Per 1000
No. 43, White, Pink, Primrose or Black, 1½ x 3½,	6 25
“ 65, Duplex Maroon-Gray, 1½ x 3½,	6 25

MILIEU CARDS.

No. 106, Enameled Backs, Unenameled Face, Primrose or Rose, 1¼ x 4¼,	7 00
“ 114, Maroon-Drab, 1¼ x 4¼,	7 00

No. 27 UNENAMELED, WHITE, ROSE, PRIMROSE OR PEARL.

Card Size, Round Corners, 2½x4½,	7 00
Cabinet “ “ “ 4¼x6½,	12 00
Panel “ “ “ 4 x 8¼,	17 75
Boudoir “ “ “ 5¼x8½,	22 00
Imperial “ “ “ 6¼x9¾,	32 00

No. 46 WHITE, UNENAMELED.

Card Size, Round Corners, 2½x4½,	7 50
Cabinet “ “ “ 4¼x6½,	13 75

No. 43 WHITE, PINK, PEARL, PRIMROSE, VIOLET OR LIGHT GREEN, ENAMELED BACKS, UNENAMELED FACE.

Card Size, Round Corners, 2½x4½,	7 50
Cabinet “ “ “ 4¼x6½,	13 50
Victoria “ “ “ 3¼x5,	11 00
Promenade Size, Square Corners, 4½x7½,	18 00

No. 65 ENAMELED FACE, GRAY BACKS, BLACK, CHOCOLATE, BOTTLE-GREEN OR DARK OLIVE.

Panel Size, Round Corners, 4 x 8¼,	19 00
Boudoir “ “ “ 5¼x8½,	23 50
Imperial “ “ “ 6¼x9¾,	35 00

THIN GOLD BEVELED EDGE CARDS.

WITH CLEAN CUT EDGES—PURE NON-TARNISHABLE GOLD LEAF.

No. 26 WHITE, PRIMROSE, PEARL, GRAY OR ROSE.

	Per 1000
Cabinet Size, Round Corners, 4¼x6½,	13 00
Panel “ “ “ 4 x 8¼,	21 00
Boudoir “ “ “ 5¼x8½,	26 00
Imperial “ “ “ 6¼x9¾,	37 50
4¼ x 5¼ “ “ “	14 50

No. 26 BLACK, CHOCOLATE, DARK OLIVE, BROWN OR BOTTLE-GREEN, ENAMELED BOTH SIDES, and No. 67 DUPLEX MAROON-GRAY.

Cabinet Size, Round Corners, 4¼ x 6½,	15 00
Panel “ “ “ 4 x 8¼,	23 00
Boudoir “ “ “ 5¼ x 8½,	28 50
Imperial “ “ “ 6¼ x 9¾,	42 00
4¼ x 5¼ “ “ “	15 50

No. 65 DUPLEX MAROON-GRAY.

Panel Size, Round Corners, 4 x 8¼	20 00
Boudoir “ “ “ 5¼ x 8½	25 00
Imperial “ “ “ 6¼ x 9¾	37 50

MAROON CARDS, COLORED BOTH SIDES.

No. 81, Card Size, Round Corners, 2½ x 4½	8 50
“ 81, Cabinet “ “ “ 4¼ x 6½	16 00
“ 81, Panel “ “ “ 4 x 8¼	24 00
“ 81, Boudoir “ “ “ 5¼ x 8½	29 50
“ 81, Imperial “ “ “ 6¼ x 9¾	44 00
“ 68, Panel, “ “ “ 4 x 8¼	27 00
“ 68, Boudoir “ “ “ 5¼ x 8½	35 00
“ 68, Imperial “ “ “ 6¼ x 9¾	50 00

THIN GOLD BEVELED EDGE CARDS.

No. 26 WHITE, ROSE, PRIMROSE, AZURE, GRAY,
BLACK OR MAROON.

WITH CLEAN CUT EDGES—PURE NON-TARNISHABLE GOLD LEAF.

PER ONE HUNDRED.

3 inch Circles	2 50	3½ x 4½ Oval	3 75
4 " "	3 20	4½ x 6 "	5 25
5 " "	3 80	5 x 7 "	6 00
6 " "	5 62	6 x 8 "	7 50
7 " "	8 00	7 x 9 "	8 50
9 " "	12 00		

No. 26

WHITE, GRAY, ROSE, AZURE, PRIMROSE, MAROON OR BLACK.

PER ONE HUNDRED.

Crescent, 5 inch,	5 00	Heart, 2¼ x 3,	4 25
Egg, 3 x 4½,	4 13	Octagon, 5 inch,	3 25
Palette, 4½ x 6,	8 00	Keystone, 4 x 4½	2 50
Star, 5 inch,	8 25	Leaf, 3½ x 6½	5 25
Cross, 5¼ x 7¼	8 25	Shield, 4½ x 4½	7 00
Triangle, 4 inch,	2 00	Maltese Cross, . . . 5½ x 5½	12 00
Bell, 2½ x 5½	8 00		

MEDALLION, WITH SLIDING BACK—ROSE TINT FACE, AZURE BACK.

(Patented April 3d, 1883.)

PER ONE HUNDRED.

Five inch Square outside, Opening 3¼ inch Circle,	14 25
Seven " " " " 5 "	18 75

[For Diagrams of above see pages 44 to 52 inclusive.]

LIST OF SIZES AND PRICES OF

THIN PANEL CARDS.

Made to order in lots of 50 or more in No. 26 White, Primrose, Pearl, Gray, Rose, Black, Bottle-Green, Chocolate; No. 67, Maroon-Gray; No. 68, Maroon both sides. Lots of less than 50 subject to an addition to these prices.

WITH CLEAN CUT EDGES—PURE NON-TARNISHABLE GOLD LEAF.

PER ONE HUNDRED.

	No. 26 White or Tinted.	No. 26 Black, Chocolate Bottle-Green and No. 67 Maroon-Gray	No. 68 Maroon
2½ x 4½	95	1 05	1 15
4¼ x 5¼	See page 23.	See page 23.	1 75
4¼ x 6½	"	"	1 85
4 x 8¼	"	"	See page 23.
5¼ x 8½	"	"	"
6½ x 9¼	"	"	"
4½ x 7½	1 85	2 05	2 45
4½ x 9	3 25	3 62	4 13
5 x 7	2 50	2 75	3 20
5 x 8	2 75	3 00	3 60
5 x 10	3 75	4 12	4 75
6½ x 8½	3 75	4 12	4 75
6½ x 9	4 13	4 50	5 25
7 x 9	4 20	4 63	5 38
8 x 10	5 75	6 38	7 38
6 x 12	5 75	6 38	7 38
7 x 13¼	6 12	6 75	7 75
7½ x 13	6 50	7 25	8 50
7 x 15	7 75	8 63	10 12
10 x 12	7 75	8 63	10 12
10¼ x 13¼	8 00	8 75	10 38
10½ x 17	10 13	11 38	13 50
13¼ x 17	13 63	15 38	18 50
12 x 20	13 63	15 38	18 50
16 x 20	18 75	21 25	25 75

The Cards of this Special List, as per pages 27, 28 and 29, differ from our regular Cards in these respects, viz: Materials enter into their structure that are not admissible in our Standard Goods; and the lower priced goods are not subject to such rigid inspection.

SPECIAL PRICE-LIST
OF
PLAIN AND GOLD BEVELED EDGE
CARD AND CABINET
MOUNTS.

For Prices of our regular Card and Cabinet Mounts see pages 22, 23, 30, 31, 32, 33 and 34.

CARD MOUNTS, ROUND CORNERS.

DESCRIPTION.	Per 1000
No. 322, White, Primrose, Pearl or Rose, Unenameled	2 13
“ 108, White, Primrose, Pearl, Rose or Mode, Unenameled	2 63
“ 341, White, Primrose, Pearl, Rose, Chamois or Violet, Enameled Backs, Plain Face	3 00
“ 129, White or Cream, Enameled both sides	1 90
“ 113, White or Cream, Enameled both sides	3 50
“ 96, Black, Chocolate, Bottle-Green or Dark Olive, Enameled Face, Gray Backs	2 75
“ 58, Black, Chocolate, Bottle-Green or Dark Olive, Enameled Face, Gray Backs	3 38
“ 117, Duplex Maroon-Tea	3 00
“ 119, Duplex Maroon-Drab	3 63
“ 58, Duplex Maroon-Gray	3 75
“ 118, Maroon, Enameled both sides	4 50

CABINET MOUNTS, ROUND CORNERS.

DESCRIPTION.	Per 1000
No. 50, White	5 00
“ 60, White	4 50
“ 8½, White	3 75
“ 51, White	3 50
“ 5½, White	3 30
“ 52, White	3 13
“ 322, White, Primrose, Pearl, Rose, Light or Dark Buff, Unenameled	4 25
“ 130, White, Primrose, Pearl, Rose, Violet or Chamois, Unenameled	5 75
“ 108, White, Primrose, Pearl, Rose or Mode, Unenameled	6 13
“ 341, White, Primrose, Pearl, Rose, Chamois or Violet, Enameled Backs, Plain Face	7 00

CABINET MOUNTS, ROUND CORNERS—Continued.

DESCRIPTION.	Per 1000
No. 129, White or Cream, Enameled both sides	4 25
“ 113, White or Cream, Enameled both sides	8 00
“ 96, Black, Chocolate, Bottle-Green or Dark Olive, Enameled Face, Gray Backs	6 25
“ 58, Black, Chocolate, Bottle-Green or Dark Olive, Enameled Face, Gray Backs	7 75
“ 117, Duplex Maroon-Tea	7 00
“ 119, Duplex Maroon-Drab	8 25
“ 58, Duplex Maroon-Gray	8 50
“ 118, Maroon, Enameled both sides	10 50

CARD MOUNTS, WITH GOLD BEVELED EDGES.

DESCRIPTION.	Per 1000
No. 107, White, Primrose, Pearl, Rose or Mode, Unenameled	6 00
“ 106, White, Primrose, Pearl, Rose or Chamois, Enameled Backs, Plain Face	6 50
“ 116, White or Cream, Enameled both sides	7 00
“ 344, Black, Chocolate, Brown, Bottle-Green, Myrtle-Green or Dark Olive, Enameled Face, Gray Backs	6 00
“ 65, Black, Chocolate, Bottle-Green or Dark Olive, Enameled Face, Gray Backs	6 75
“ 66, Black, Chocolate, Brown, Bottle-Green, Myrtle-Green or Dark Olive, Enameled both sides	7 00
“ 126, Duplex Maroon-Tea	6 75
“ 114, Duplex Maroon-Drab	7 00
“ 127, Duplex Maroon-Gray	7 25
“ 66, Maroon, Enameled both sides	8 00
“ 122, White, Rose, Pearl or Primrose, Figured Enameled Backs, Plain Face	7 25

CABINET MOUNTS, WITH GOLD BEVELED EDGES.

DESCRIPTION.	Per 1000
No. 128, White, Primrose, Pearl, Rose, Chamois or Violet, Unenameled	9 50
“ 107, White, Primrose, Pearl, Rose or Mode, Unenameled	10 00
“ 106, White, Primrose, Pearl, Rose, Chamois or Violet, Enameled Backs, Plain Face	10 75
“ 116, White or Cream, Enameled both sides	12 00
“ 344, Black, Chocolate, Brown, Bottle-Green, Myrtle-Green or Dark Olive, Enameled Face, Gray Backs	10 00
“ 65, Black, Chocolate, Bottle-Green or Dark Olive, Enameled Face, Gray Backs	11 75
“ 66, Black, Chocolate, Brown, Bottle-Green, Myrtle-Green or Dark Olive, Enameled both sides	13 00
“ 126, Duplex Maroon-Tea	11 00
“ 114, Duplex Maroon-Drab	12 00
“ 127, Duplex Maroon-Gray	12 50
“ 66, Maroon, Enameled both sides	14 50
“ 122, White, Rose, Pearl or Primrose, Figured Enameled Backs, Plain Face	12 50

CARDS ENUMERATED ON PAGES 27, 28 AND 29 MADE TO ORDER WITH

SLEE'S PREPARATION

AT THE FOLLOWING PRICES, PER ONE THOUSAND:

CARD MOUNTS, ROUND CORNERS.

No. 108	3 75	No. 107	7 38
“ 341	4 13	“ 106	7 75

CABINET MOUNTS, ROUND CORNERS.

No. 108	8 50	No. 107	12 75
“ 341	9 50	“ 106	13 75
“ 128	12 25		

CARTES DE VISITE MOUNTS.

In ordering, please state if Round Corners or Square Corners are wanted.

DESCRIPTION.	Square Corners Per 1000	Round Corners Per 1000
No. 35, White, Primrose, Light and Dark Buff, Pearl, Pink, Green, Violet, Rose, Tea, Gray, Granite-Drab, Granite-Blue or Dove	2 50	3 00
" 5, White, Light and Dark Buff, Gray, Green, Primrose, Pearl, Dove or Rose	2 75	3 25
" 36, White	3 50	4 00
" 41, White, Cream, Fawn, Silver Gray, Steel Gray, Sea Foam, Sea Shell or Moss Green	3 50	4 00
" 18, White, Pink, Pearl, Green, Primrose, Black, Chocolate, Dark Olive or Bottle-Green, Enameled both sides	3 25	3 75
" 88, White, Pink, Pearl, or Primrose, Enameled Backs, Plain Face,	2 25	2 75
" 42, White, Primrose, Green, Pink, Pearl, Dove, Buff or Violet, Enameled Backs, Unenameled Face	3 25	3 75
" 62, Maroon, Enameled both sides	4 25	4 75
" 25, White, Primrose, Pink, Pearl, Violet or Green, Red Borders	3 50	4 00
" 25, White, Light Buff, Primrose, Pearl, Pink, Violet, Rose or Green, Gilt Borders	4 50	5 00
" 33, White, Dove, Cream, Primrose, Violet, Green, Pearl or Pink Cards, Gilt Borders	5 25	5 75
" 33, White, Pink or Green Cards, Red Borders		5 00
" 53, White, Pink, Pearl, Green, Primrose, Violet or Dove, Figured Backs, Unenameled Face	4 25	4 75
" 37, White, Pink, Pearl, Primrose or Dove, Figured Backs, Unenameled Face, Gilt Borders	5 75	6 25
" 63, Pink, Pearl, Primrose, Dove, Enameled Backs, Unenameled Face, with W. P. Red Borders	5 00	5 50
" 38, Pink, Pearl, Green or Primrose, Enameled both sides, W. P. Red Borders	5 00	5 50

CARTES DE VISITE MOUNTS—Continued.

DESCRIPTION.	Square Corners Per 1000	Round Corners Per 1000
No. 57, White, Light Buff, Primrose, Pearl or Rose, Unenameled, Gilt Lines	3 25	3 75
" 56, White, Buff, Primrose, Pearl or Pink, Enameled Backs, Plain Face, Gilt Lines	4 50	5 00
" 39, White, Primrose, Pearl, Pink, Green, Buff or Bottle-Green, Enameled both sides, Gilt Lines	4 50	5 00
" 61, Black, Chocolate, Primrose or Pink, Gilt Borders	5 25	5 75
" 79, White, Rose, Violet, Pearl or Primrose, Gilt or Red Rustic Lines	3 00	
" 69, Maroon Face, Gray Backs, Gilt Borders	5 50	6 00
" 80, White, Pink, Pearl, Violet or Green, wide Gilt Borders	5 00	
" 89, White, Pearl, Violet, Pink or Primrose, with Flower Backs	4 50	5 00
" 86, White, Pearl, Violet, Pink or Primrose, Plain Face, Ornamented Backs	5 00	5 50

Additional per One Thousand for Card Mounts.

With Straight Gold Edges 1 80

With Straight Tinted Enameled Edges 1 25

Price per One Thousand for Printing Card Mounts with Lines or Borders, not including Imprint. (For Prices with Imprint see page 41.)

Tinted Lines, Square or Round Corners, in lots of 1000 or more 1 20

Gilt " " " " " 1000 or more 1 75

Gilt Serrated Borders " " " " 1000 or more 2 75

CABINET CARDS.

In ordering, please state if Round Corners or Square Corners are wanted.

DESCRIPTION.	Square Corners Per 1000	Round Corners Per 1000
No. 35, White, Primrose, Light and Dark Buff, Pearl, Pink, Green, Violet, Tea, Rose, Gray, Granite-Blue, Dove or Granite-Drab	6 25	6 75
" 5, White, Light and Dark Buff, Gray, Green, Primrose, Pearl, Dove or Rose	7 00	7 50
" 9, White, Light or Dark Buff, Gray, Primrose, Pearl or Rose	8 00	8 50
" 36, White	8 50	9 00
" 310, White or Cream	8 50	9 00
" 41, Silver Gray, Shell Rose or Sea Foam	10 50	11 00
" 9, Black, Bottle-Green, Chocolate or Dark Olive	9 50	10 00
" 9, Duplex Maroon-Gray	10 50	11 00
" 9, Maroon, Enameled both sides	13 00	13 50
" 18, White, Pink, Pearl, Primrose, Dark Olive, Black, Chocolate, Bottle-Green, Myrtle-Green or Brown, Enameled both sides	8 00	8 50
" 88, White, Pink, Pearl or Primrose, Enameled Backs, Plain Face	5 50	6 00
" 42, White, Primrose, Green, Pink, Pearl or Dove, Enameled Backs, Unenameled Face	8 00	8 50
" 62, Maroon, Enameled both sides	11 00	11 50
" 8, White, Rose, Green, Pearl, Light Buff, Violet, Pink or Primrose, Gilt Borders	9 00	9 50
" 7, White, Pearl, Pink, Green, Dove, Primrose or Violet, Enameled Backs, Unenameled Face, Gilt Borders	11 00	11 50
" 61, Primrose, Pink, Pearl, Black or Chocolate, Enameled both sides, Gilt Borders	11 00	11 50
" 53, White, Pink, Pearl, Green, Primrose, Violet or Dove, Figured Backs, Unenameled Face	10 50	11 00
" 37, White, Pink, Pearl, Primrose or Dove, Figured Backs, Unenameled Face, Gilt Borders	12 50	13 00
" 79, White, Rose or Pearl, Gilt or Red Rustic Lines	7 50	

CABINET CARDS.

(CONTINUED.)

DESCRIPTION.	Square Corners Per 1000	Round Corners Per 1000
No. 57, White, Light Buff, Primrose, Pearl or Rose, Unenameled, Gilt Lines	8 00	8 50
" 56, White, Primrose, Pearl or Pink, Enameled Backs, Unenameled Face, Gilt Lines	10 00	10 50
" 39, White, Primrose, Pink, Pearl, Chocolate, Black, Dark Olive or Bottle-Green, Enameled both sides, Gilt Lines	10 00	10 50
" 69, Maroon Face, Gray Backs, Gilt Borders	11 50	12 00
" 86, White, Primrose, Violet, Pearl or Pink, Plain Face, Ornamented Back	12 00	12 50
" 80, White, Pearl, Primrose or Green, wide Gilt Borders	11 00	
" 76, White, Cream, Violet or Buff, Tinted Border on Backs	10 00	10 50
" 82, Primrose, Pink or Violet, with Flower Backs	11 50	12 00
" 89, White, Pearl, Primrose or Violet, with Flower Backs	11 50	12 00
" 89, White, Pearl, Pink or Violet, with Gilt Borders		14 00

Additional per One Thousand for CABINET CARDS.

With Straight Gold Edges	3 00
With Straight Tinted Enameled Edges	2 00

Price per One Thousand for Printing Cabinet Mounts with Lines or Borders, not including Imprint. (For Prices with Imprint see page 41.)

Tinted Lines, Square or Round Corners, in lots of 1000 or more	1 20
Gilt " " " " " 1000 or more	1 75
Gilt or Tinted Borders; Round Corners, " 1000 or more	2 50
Gilt Serrated " " " " 1000 or more	2 75
Gilt Linear " " " " 1000 or more	2 75

No. 39 CABINET CARDS.

Black, Chocolate, Brown, Bottle-Green, Myrtle-Green, Dark Olive, White, Primrose, Pink or Pearl, Enameled both sides, also Maroon-Gray, Straight Gold Edges, including Gilt Lines, Imprint and Monogram (when ordered) on face of Cards.

In lots of 1000	14 50	per 1000.
“ “ 2000 to 4000	13 75	“
“ “ 5000 to 10,000	13 50	“

MINETTE CARDS—SQUARE CORNERS.

Per 1000

No. 24, White, Rose, Primrose, Pearl or Buff . . . 1½ x 2½	1 00
“ 24, White, Primrose, Pearl or Rose, Gilt Borders “	1 65
“ 53, White or Tinted “	1 60
“ 37, White, Pink, Primrose or Pearl, Gilt Borders “	2 30
“ 42½, Pink or Primrose, Ornamented Border, . 2 x 3½	3 50
Additional for Gold Edges on the above	1 25
No. 43½, Pink or Primrose, Ornamented Border, Gold Beveled, 1¾ x 3	8 50

CARTES DE VISITE MOUNTS

WITH SLEE'S PREPARATION.

DESCRIPTION.	Square Corners Per 1000	Round Corners Per 1000
No. 22, White or Dark Buff	2 63	3 13
“ 22, Dark Buff, Red Lines		4 00
“ 35, White, Primrose, Pearl, Rose, Violet, Pink or Green	3 50	4 00
“ 36, White	4 50	5 00
“ 42, White, Primrose, Pearl, Green or Pink . . .	4 25	4 75
“ 45½, White, Assorted Figured Backs	4 50	5 00
“ 53, White, Pink, Primrose, Pearl or Green . . .	5 25	5 75
“ 54, White, Rose, Light Buff, Green, Violet, Primrose or Pearl, Red Borders	5 00	5 50
“ 54, Primrose, Pearl or Rose, Brown Borders . . .	5 00	5 50
“ 55, White, Pearl, Dark Buff, Primrose or Rose, Red Lines	4 75	5 25
“ 70, White, Rose, Pearl or Primrose, Red Rustic Lines	4 00	

CABINET CARDS, WITH SLEE'S PREPARATION.

DESCRIPTION.	Square Corners Per 1000	Round Corners Per 1000
No. 35, White, Rose, Primrose, Pearl, Green, Violet or Pink	8 50	9 00
“ 36, White	10 75	11 25
“ 42, White, Primrose, Pearl, Green or Pink . . .	10 25	10 75
“ 53, White, Primrose, Pearl or Pink	12 75	13 25
“ 54, White, Rose, Primrose or Pearl, Red Borders	11 50	12 00
“ 54, Primrose, Pearl or Rose, Brown Borders . . .	11 50	12 00
“ 55, White, Light and Dark Buff, Pearl, Primrose or Rose, Red Lines		11 50
“ 70, White, Red Rustic Lines	10 00	

PRICE-LIST (ADDITIONAL TO THE COST OF CARDS,) OF

PHOTOGRAPH CARDS, WITH SLEE'S PREPARATION.

Per One Thousand.

The following prices not applicable to "Special List" pages 27, 28 and 29.

Minette Mounts,	35	6½ x 8½	4 00
Card “	1 00	7 x 9	4 75
Victoria “	1 50	8 x 10, 9 x 11	7 00
Cabinet “	2 25	10 x 12	10 50
Promenade “	2 50	11 x 14	11 00
Stereoscope “ 3½ x 7	1 85	12 x 14, 12 x 15	21 00
“ “ 4 x 7	2 10	13 x 16, 14 x 17, 14 x 18	21 00
“ “ 4¼ x 7	2 25	16 x 20	23 00
“ “ 4½ x 7	2 50	18 x 22	40 00
Thin Panel “ 4 x 8½	3 25	20 x 24	45 00
Boudoir “ 5¼ x 8½	3 50	22 x 28	45 00
Imperial “ 6¼ x 9½	5 75		

VICTORIA CARD MOUNTS—ROUND CORNERS.

Per One Thousand.

No. 35, White or Tinted	5 25
“ 36, White	6 75
“ 18, Enameled, White or Tinted	6 75
“ 42, White and Tinted, Enameled Backs, Unenameled Face	6 75
“ 53, Plain Face, Figured Backs	8 00
Additional per One Thousand for Victoria Mounts.	
With Straight Gold Edges	3 00
With Straight Tinted Enameled Edges	2 00
With Gilt or Tinted Lines	1 75

CABINET PANEL CARDS,

SIZE 3½x6½, SQUARE CORNERS. Per 1000

No. 42, White or Tinted	8 75
“ 7, Pearl, Gilt Borders	11 00

PROMENADE PHOTOGRAPH CARDS—SQUARE CORNERS.

Per One Thousand.

No. 35, White, Light Buff, Rose, Granite-Blue, Primrose, Pearl, Pink or Violet	8 00
“ 36, White	10 50
“ 18, White or Tinted, Enameled	11 00
“ 42, Pink, Pearl, Green, Primrose, White or Dove, Enameled Backs, Plain Face	11 00
“ 53, Figured Enameled Backs, Plain Face	12 50
“ 8, White, Primrose, Pearl or Rose, Gilt Borders	12 00
“ 7, White, Pink, Primrose or Pearl, Gilt Borders	15 00
“ 61, Black or Chocolate, Gilt Borders	15 00
With Straight Gold Edges Additional per 1000	3 75
With Straight Red Edges “ “ “	2 50

IMPERIAL, BOUDOIR AND THIN PANEL CARDS.

No. 9, White, Primrose, Pearl, Gray, Rose, Plain Cards, Round Corners.		Per 1000
Imperial, 6½ x 9½		22 00
Boudoir, 5¼ x 8½		14 50
Panel, 4 x 8¼		12 00
4¼ x 5¼		7 50

[For Prices of 5 x 8 Size see page 38.]

No. 13, White, Primrose, Pearl, Gray or Rose, Round Corners, Gilt Borders.

Imperial, 6½ x 9½	34 00
Boudoir, 5¼ x 8½	22 00
Panel, 4 x 8¼	18 00

No. 9, Black, Chocolate, Bottle-Green, Enameled both sides, or Maroon-Gray, Plain Cards, Round Corners.

Imperial, 6½ x 9½	28 50
Boudoir, 5¼ x 8½	20 00
Panel, 4 x 8¼	16 00
4¼ x 5¼	9 50

No. 13, Black or Chocolate Color Cards, Enameled both sides, Round Corners, Gilt Borders.

Imperial, 6½ x 9½	36 00
Boudoir, 5¼ x 8½	25 00
Panel, 4 x 8¼	21 00
Cards, in Black only, 6½ x 8½	33 00

No. 9, Maroon, Enameled Both Sides, Plain Cards, Round Corners.

Imperial, 6½ x 9½	36 00
Boudoir, 5¼ x 8½	24 50
Panel, 4 x 8¼	20 00
4¼ x 5¼	12 00

ADDITIONAL PER 1000 FOR

Imperial, Straight Red Edges	4 75	Imperial, Straight Gold Edges	7 25
Boudoir, “ “ “	3 25	Boudoir, “ “ “	5 50
Panel, 4x8¼ “ “ “	2 75	Panel, 4x8¼ “ “ “	4 50

STEREOSCOPE MOUNTS.

WITH ROUND CORNERS.

SQUARE CORNERS 50 CENTS PER ONE THOUSAND LESS.

Per One Thousand.

DESCRIPTION.	3½x7.	4x7.	4½x7.	5x8.
No. 101, Buff or Duplex Amber & Primrose	7 25	8 00	9 25	13 00
" 2, Enameled both sides, Green, Light Buff, Dark Buff, Red & Pink	6 63	7 50	8 75	12 75
" 2, Enameled Face, Unenameled Backs, Green & Light Buff, Dark Buff & Tea, Light Buff & Tea, Yellow & Gray, Red & Solferino	6 13	7 00	8 00	12 00
" 6½, Enameled both sides, Red & Pink, Dark Buff or Light Buff	4 88	5 50	6 25	9 50
" 6½, Enameled Face, Unenameled Backs, Red & Solferino, Dark Buff & Gray, Light Buff & Tea	4 50	5 13	5 88	9 00
" 5, Unenameled, Light Buff, Dark Buff, Gray, Tea, Green, Pearl, Dove, Primrose or Pink	5 75	6 50	7 50	11 00
" 9, Unenameled, Tea, Gray, Light Buff, Dark Buff, Pearl or Primrose	6 75	8 00	9 25	14 00
" 35, Unenameled, Tea, Gray, Light Buff, Dark Buff, Pearl or Primrose	5 50	6 00	7 00	10 00

ADDITIONAL PER 1000 FOR STRAIGHT GOLD OR ENAMELED EDGES ON STEREOSCOPE MOUNTS.

3½x7 to 4½x7, Gold Edges . . \$4.00 . Tinted Enam. Edges . \$2.50
5 x 8, " " . . 5.50 . " " " . 3.25

PRICE PER ONE THOUSAND, (ADDITIONAL TO THE COST OF CARDS,) FOR PRINTING IN ONE COLOR BY LITHOGRAPHY

CABINET, CARD, VICTORIA, PROMENADE, STEREOSCOPE AND THIN PANEL MOUNTS.

IN LOTS OF											
	1000	2000	3000	4000	5000	6000	7000	8000	9000	10,000	20,000
Cabinet Mounts, on one side, in Color	5 20	3 75	3 00		2 70	2 10	1 90	1 60	1 12		
" " " in Gilt	5 95	4 50	3 75		3 45	2 85	2 65	2 35	1 60		
Cabinet Mounts, on two sides, in Color	10 00	7 40	6 00		4 90	4 20	3 80	3 20	2 25		
" " " in Gilt	11 50	8 90	7 50		6 40	5 70	5 30	4 70	3 20		
Card Mounts, on one side.....	5 10	3 13	2 55	2 20	1 70	1 63	1 45	1 35	1 15		
Extra for Imprint in Gilt, 40 cts. per M.											
Card Mounts, on two sides.....	9 50	5 75	4 40	3 80	3 00	2 85	2 50	2 30	1 90		
Extra for Imprint in Gilt, 80 cts. per M.											
Victoria Mounts, on one side.....	5 25	3 20	2 60	2 20	2 10	1 95	1 75	1 60	1 50		
Extra for Imprint in Gilt, 65 cts. per M.											
Victoria Mounts, on two sides.....	9 25	5 88	4 70	4 15	3 85	3 70	3 35	3 00	2 75		
Extra for Imprint in Gilt, \$1.30 per M.											
Promenade Mounts, on one side.....	5 50	4 10	3 50	3 30	3 00	2 90	2 60	2 25	2 10		
Extra for Imprint in Gilt, 90 cts. per M.											
Promenade Mounts, on two sides.....	10 75	8 10	6 90	6 50	5 90	5 65	5 12	4 55	3 85		
Extra for Imprint in Gilt, \$1.80 per M.											
Stereo. Mounts, 3½ x 7, on one side.....	4 80	3 40	2 95	2 70	2 45	2 35	2 15	2 00	1 55		
Extra for Imprint in Gilt, 70 cts. per M.											
Stereo. Mounts, 4 x 7, on one side.....	5 60	4 20	3 60	3 40	3 12	3 00	2 75	2 35	2 15		
Extra for Imprint in Gilt, 80 cts. per M.											
Stereo. Mounts, 4½x7, & 4¼x7, one side,	6 50	5 00	4 50	4 25	4 00	3 85	3 60	3 20	3 10		
Extra for Imprint in Gilt, 90 cts. per M.											
Thin Panel Mounts, 4x8½, on one side	6 80	5 60	5 20	5 00	4 88						
Extra for Imprint in Gilt, \$1.15 per M.											
Thin Panel Mounts, 4x8½, on two sides	11 60	9 35	8 60	8 25	8 00						
Extra for Imprint in Gilt, \$2.30 per M.											

As a special Engraving is required to print Cards by this process, we will, on receipt of first order, submit for approval a design together with estimate for engraving the same.

The constantly advancing demand of Photographers for more elaborate and better **LETTER PRESS** work on their Cards, has compelled the employment of a better class of labor and material. The increased cost involved renders an advance in the price for this line of work absolutely necessary. We present herewith Revised Scale of Prices, with the remark that under this schedule of prices, as heretofore, this department of our business is conducted not for profit to us, but to meet the needs of our Customers.

SCALE OF PRICES PER ONE THOUSAND FOR IMPRINTING BY LETTER-PRESS

CARD, VICTORIA, CABINET, PROMENADE, STEREOSCOPE OR THIN PANEL MOUNTS.

IMPRINT WITH ELECTROTYPE DESIGNS ON BACK OF CARDS.

STYLE OF PRINTING.	1000	2000 to 4000	5000 to 10,000
In Color,	2 00	1 60	1 35
In Gilt,	3 75	3 00	2 63
For 500 or less, in Color, \$1.65 for each lot.			
“ “ Gilt,	3.25	“	“

IMPRINT WITHOUT DESIGNS ON BACK OF CARDS.

STYLE OF PRINTING.	1000	2000 to 4000	5000 to 10,000
In Color,	1 50	1 30	1 13
In Gilt,	3 00	2 55	2 25
For 500 or less, in Color, \$1.20 for each lot.			
“ “ Gilt,	2.40	“	“

IMPRINT ON FACE OF CARDS NOT INCLUDING LINES.

STYLE OF PRINTING.	1000	2000 to 4000	5000 to 10,000
In Color,	1 20	90	80
In Gilt,	2 40	1 80	1 60
For 500 or less, in Color, \$1.20 for each lot.			
“ “ Gilt,	2.40	“	“

ENVELOPES FOR MAILING AND PHILADELPHIA CARTE ENVELOPES.

STYLE OF PRINTING.	1000	2000 to 4000	5000 to 10,000
In Color,	1 50	1 30	1 13
For 500 or less, \$1.20 for each lot.			

PRICE PER ONE THOUSAND FOR PRINTING

CARD OR CABINET MOUNTS, WITH LINES OR BORDERS ON FACE OF CARDS,

INCLUDING LETTER-PRESS IMPRINT AND MONOGRAM WHEN SO ORDERED.

[For Prices for Printing Lines and Borders without Imprint see pages 31 and 33.]

STYLE OF PRINTING.	1000	2000 to 4000	5000 to 10,000
Tinted Lines, Square or Round Corners,	2 13	1 50	1 38
Gilt “ “ “ “	3 00	2 25	2 00
Gilt or Tinted Borders, Round Corners,	3 50	3 00	2 75
Gilt Serrated Borders, “ “	3 75	3 25	3 00
Gilt Linear Borders, “ “	4 00	3 50	3 25

PRICE FOR PRINTING BY LETTER-PRESS, IN GILT OR COLORS,

NOS. 90 AND 91, AND THIN, BOUDOIR AND IMPERIAL GOLD BEVELED EDGE CARDS.

DESCRIPTION.	IN LOTS OF						
	100	200	300	400	500	1000	2000
Nos. 90 or 91, 2½x4½ to 4½x9	95	1 40	1 63	1 80	1 95	2 50	
Nos. 90 or 91, 5x10 to 7½x13	1 20	1 70	2 40	3 00	3 63	5 00	
Thin, Boudoir and Imperial	95	1 60	1 80	2 00	2 20	2 75	4 38

PRICE PER ONE HUNDRED, FOR PRINTING NAME AND ADDRESS, WITH LETTER-PRESS,

On Cards 6½ x 8½ to 22 x 28.

STYLE OF PRINTING.	IN LOTS OF						
	100	200	300	400	500	600 to 1000	
On Cards 6½ x 8½ to 11 x 14.							
With Black or Colored Ink	1 15	95	80	70	63	60	
In Gilt	1 35	1 25	1 05	95	90	80	
On Cards 12 x 14 to 16 x 20.							
With Black or Colored Ink	1 55	1 15	1 05	95	80	60	
In Gilt	1 75	1 55	1 40	1 35	1 15	1 00	
On Cards 18 x 22 to 22 x 28.							
With Black or Colored Ink	2 35	1 95	1 85	1 75	1 55	1 31	
In Gilt	3 10	2 70	2 60	2 50	2 30	2 20	

PRICE PER 1000 FOR

EMBOSSING ADDRESS ON THE FACE OF CABINET MOUNTS.

In the first order there will be a charge of \$4.00 to \$5.00 Nett for Engraving Die.

STYLE A.—PLAIN EMBOSSED.

Lots of 1000	2 00
“ 2000 or more	1 75

STYLE B.—GILT EMBOSSED.

Lots of 1000	3 75
“ 2000 or more	3 25

STYLE C.—GILT GROUND WITH COLORED LETTERS EMBOSSED.

Lots of 1000	3 00
“ 2000 or more	2 75

STYLE D.—GILT AND CRIMSON EMBOSSED.

Lots of 1000	5 00
“ 2000 or more	4 25

LIST OF PRICES FOR

STAMPING FACE OF CARDS WITH PURE GOLD LEAF.

Cost of Stamp for first order, \$4.00 to \$8.00 Nett.

CARD OR CABINET MOUNTS.

Lots of 1000 to 4000	9 50 per 1000.
“ 5000 to 10,000	8 50 “

No. 26 PANEL, BOUDOIR, IMPERIAL, Nos. 90 or 91 $2\frac{1}{2} \times 4\frac{1}{4}$ to $4\frac{1}{2} \times 9$.	
Lots of 100 to 500	2 15 per 100.
“ 600 to 1000	1 50 “

No. 26 and Nos. 90 or 91 5×10 to $7\frac{1}{2} \times 13$.

Lots of 100 to 500	2 40 per 100.
“ 600 to 1000	1 75 “

No. 26 and Nos. 90 or 91 10×12 to $10\frac{3}{4} \times 13\frac{3}{4}$.

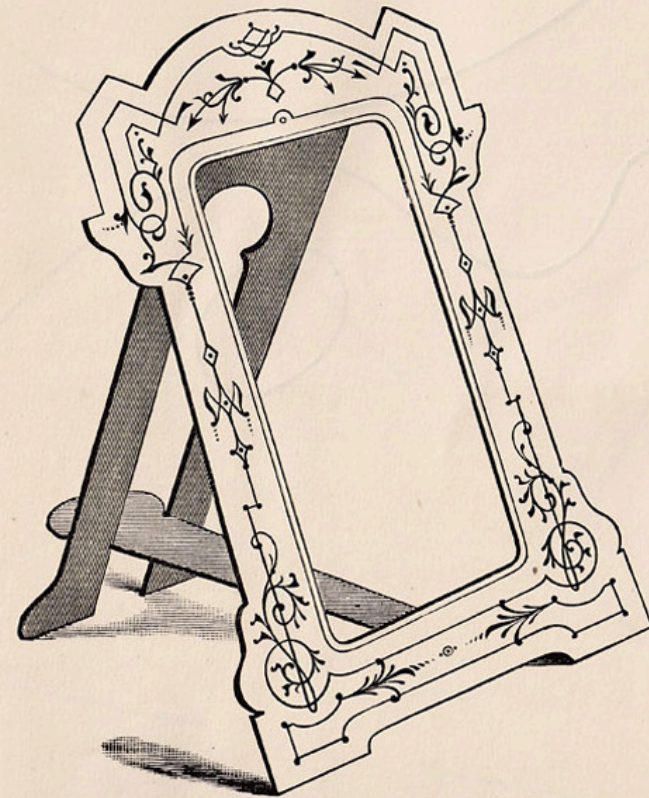
Lots of 100 to 500	3 50 per 100.
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No. 26 and Nos. 90 or 91 $10\frac{1}{2} \times 17$.

Lots of 100 to 500	5 75 per 100.
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THE STANDARD PICTURE FRAME.

Patented February 14th, 1865; July 18th, 1871; July 6th, 1880; July 20th, 1880;
August 23d, 1881.

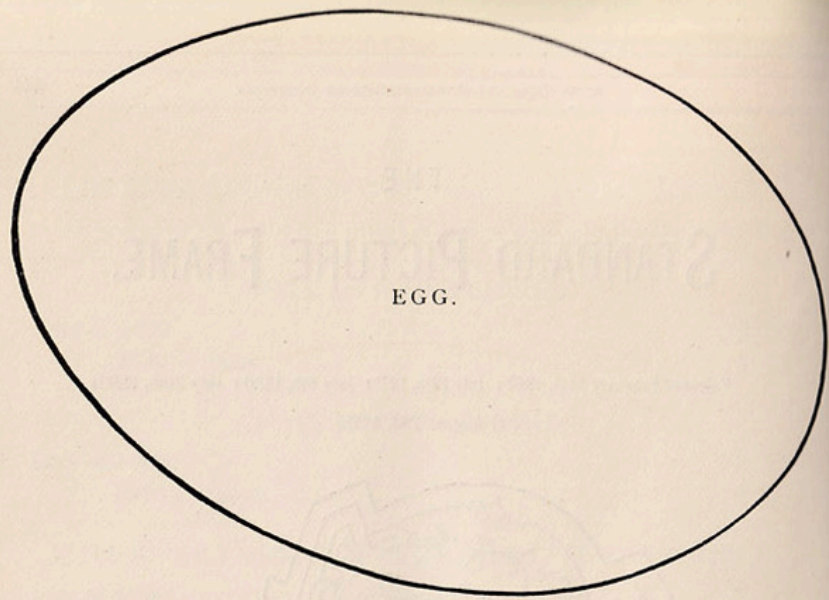


Cabinet Size, Primrose, Pearl, Buff or Black

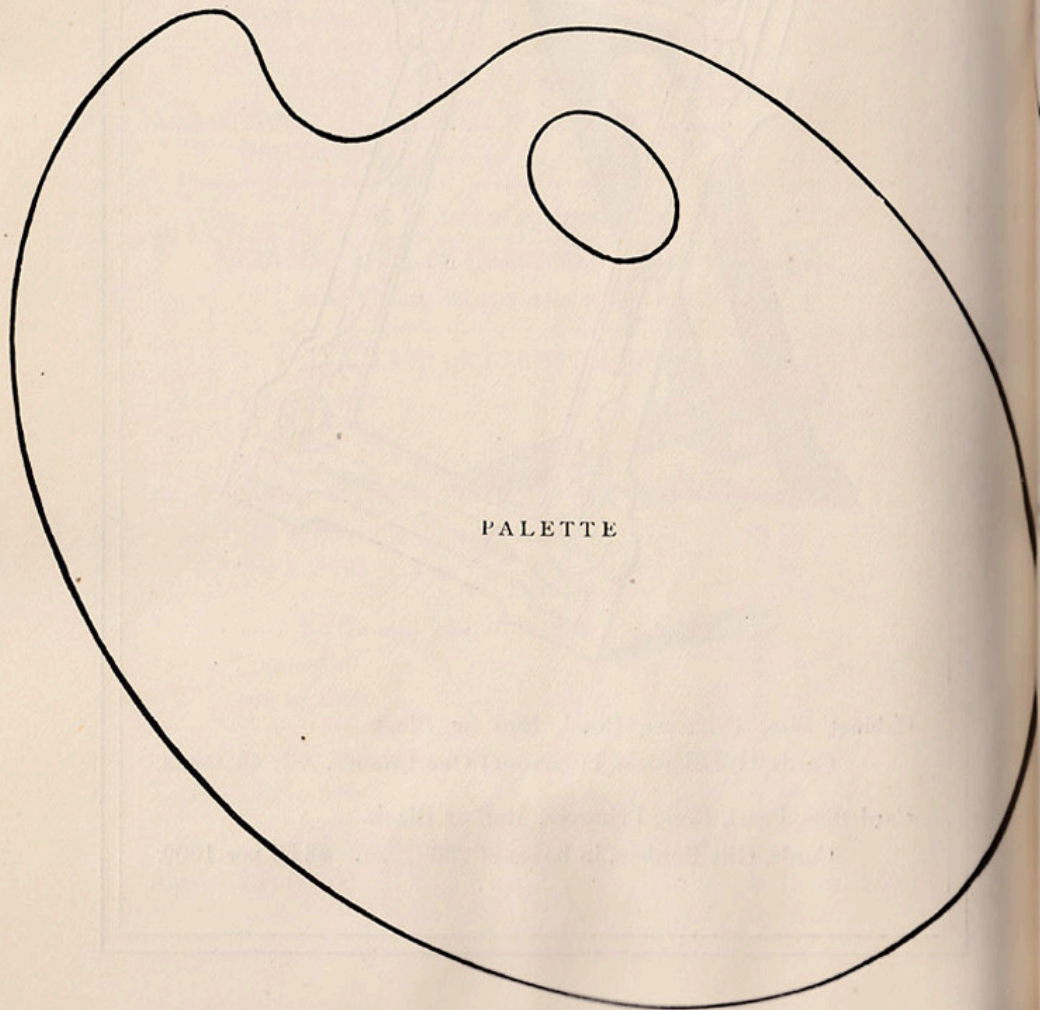
Cards, Gilt Borders, in boxes of One Dozen . . . 45 Cents.

Card Size, Pearl, Rose, Primrose, Buff or Black

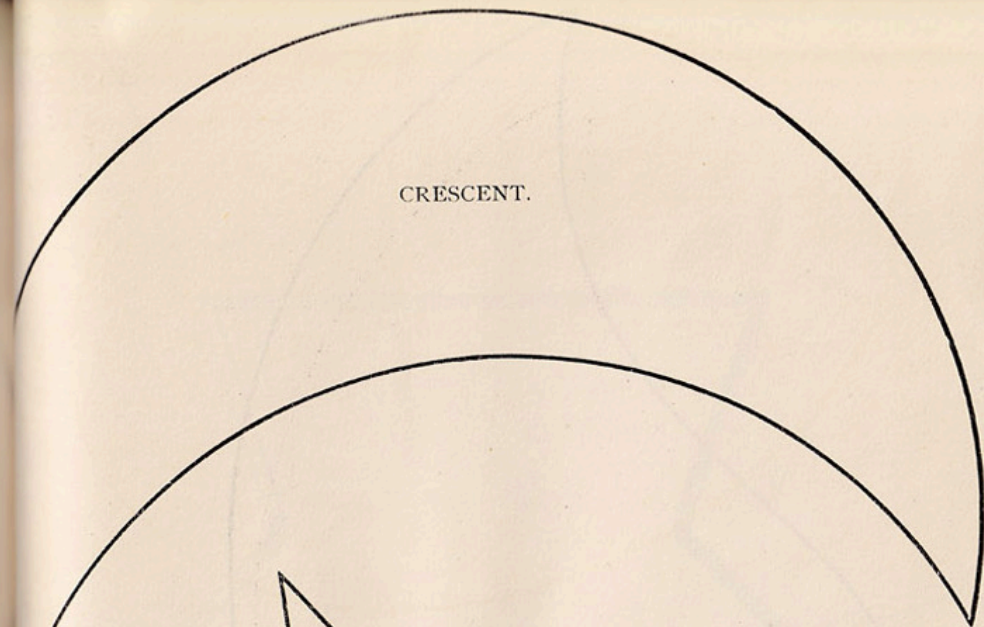
Cards, Gilt Borders, in boxes of 250 . . . \$8.50 per 1000.



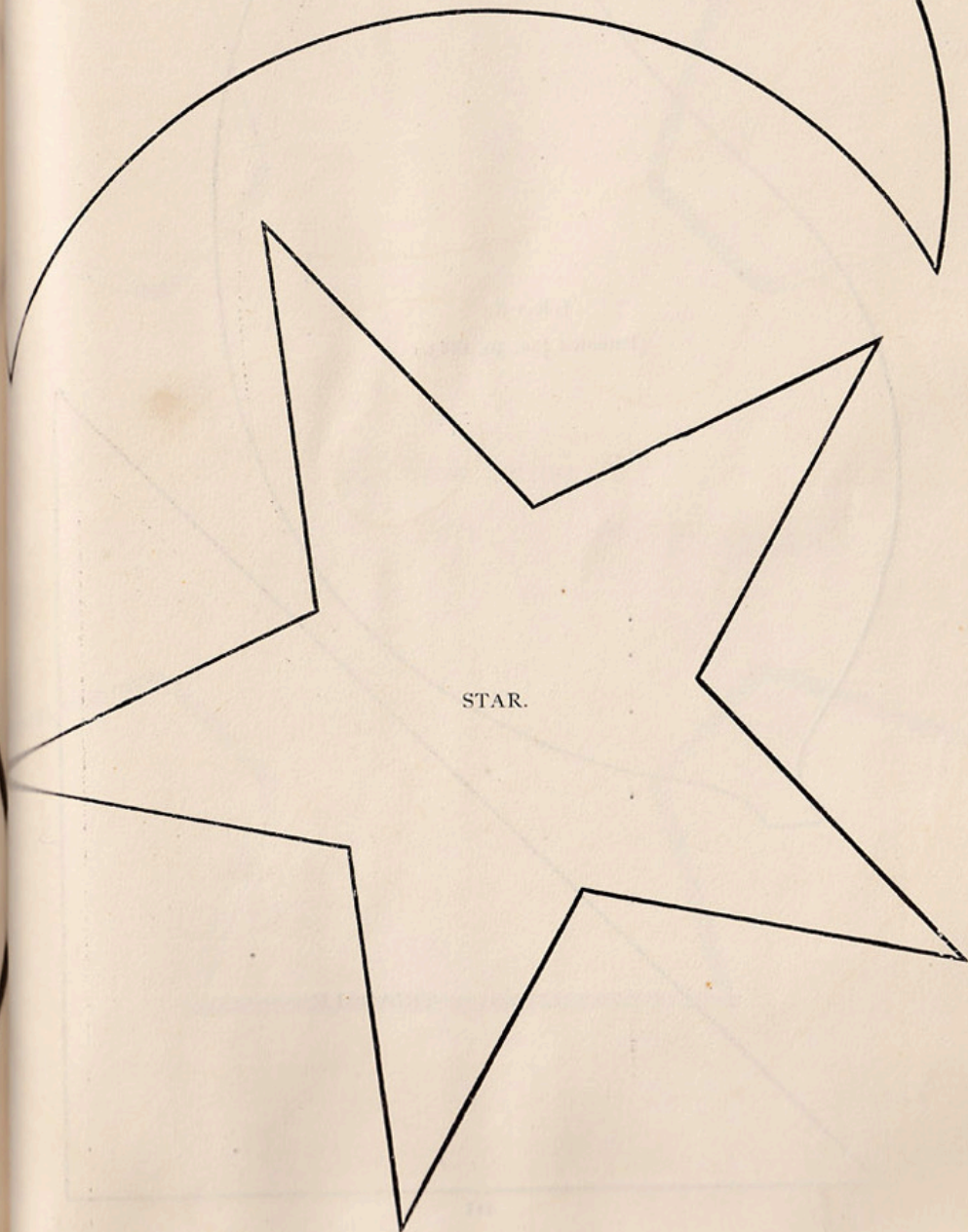
EGG.



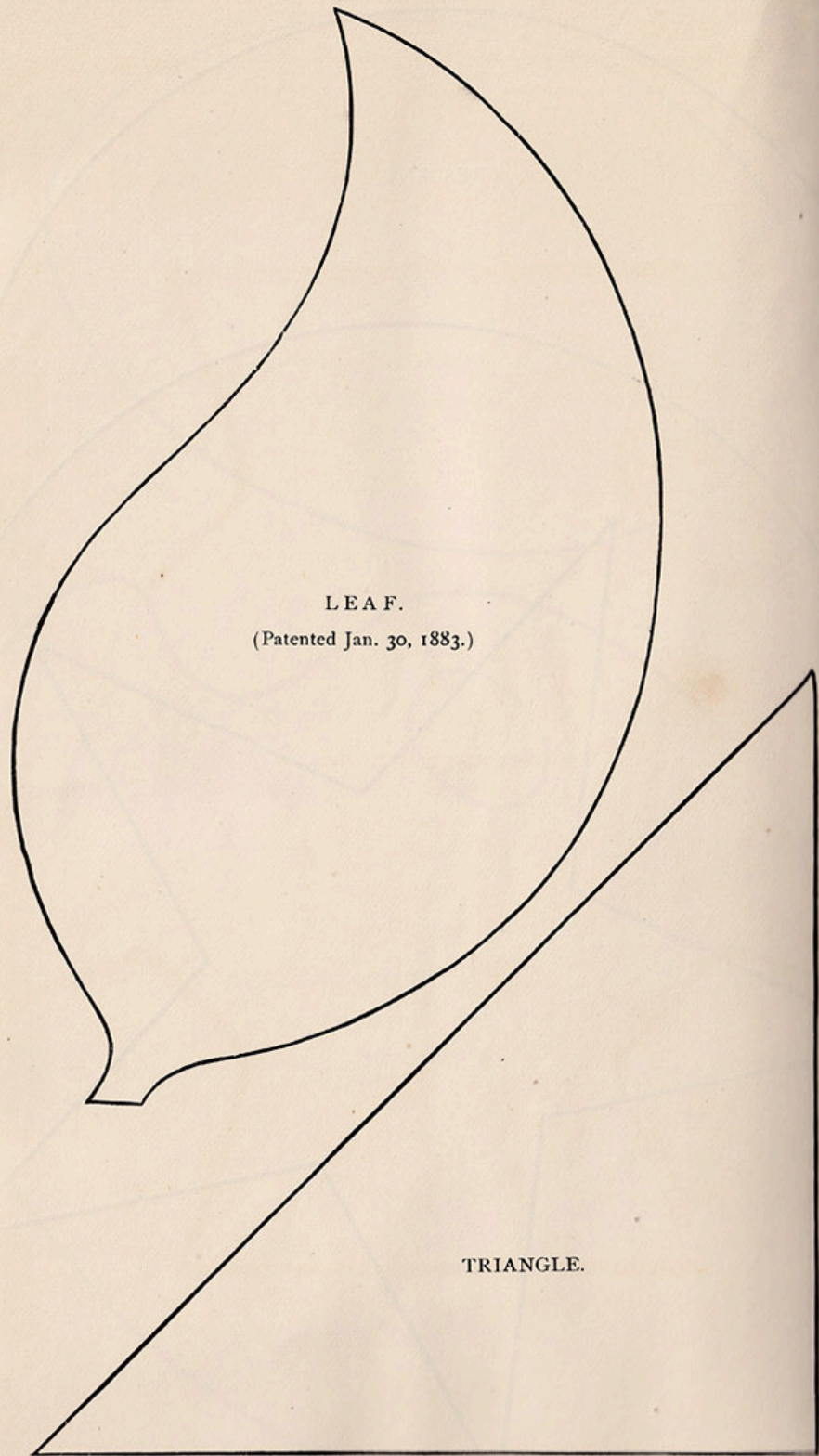
PALETTE



CRESCENT.

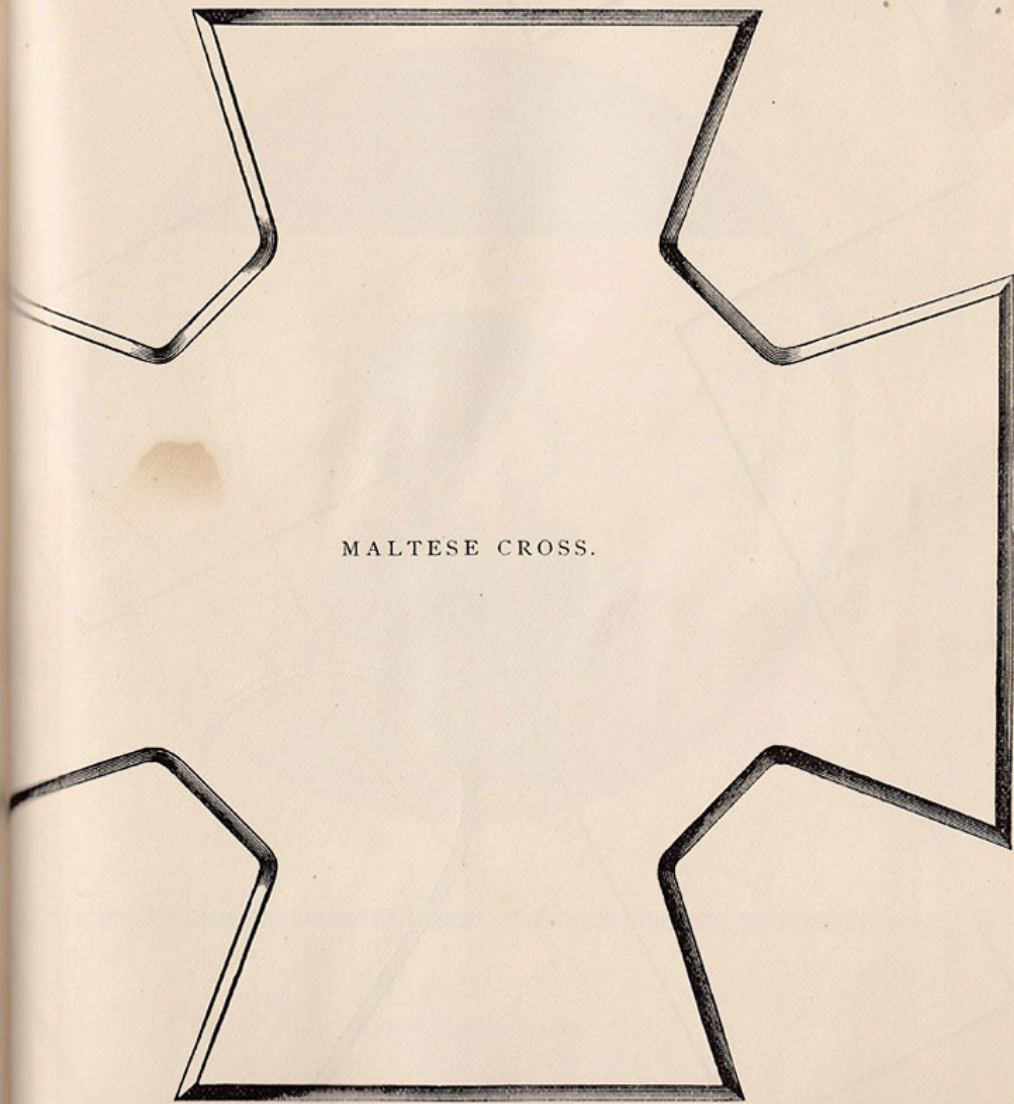


STAR.



LEAF.
(Patented Jan. 30, 1883.)

TRIANGLE.



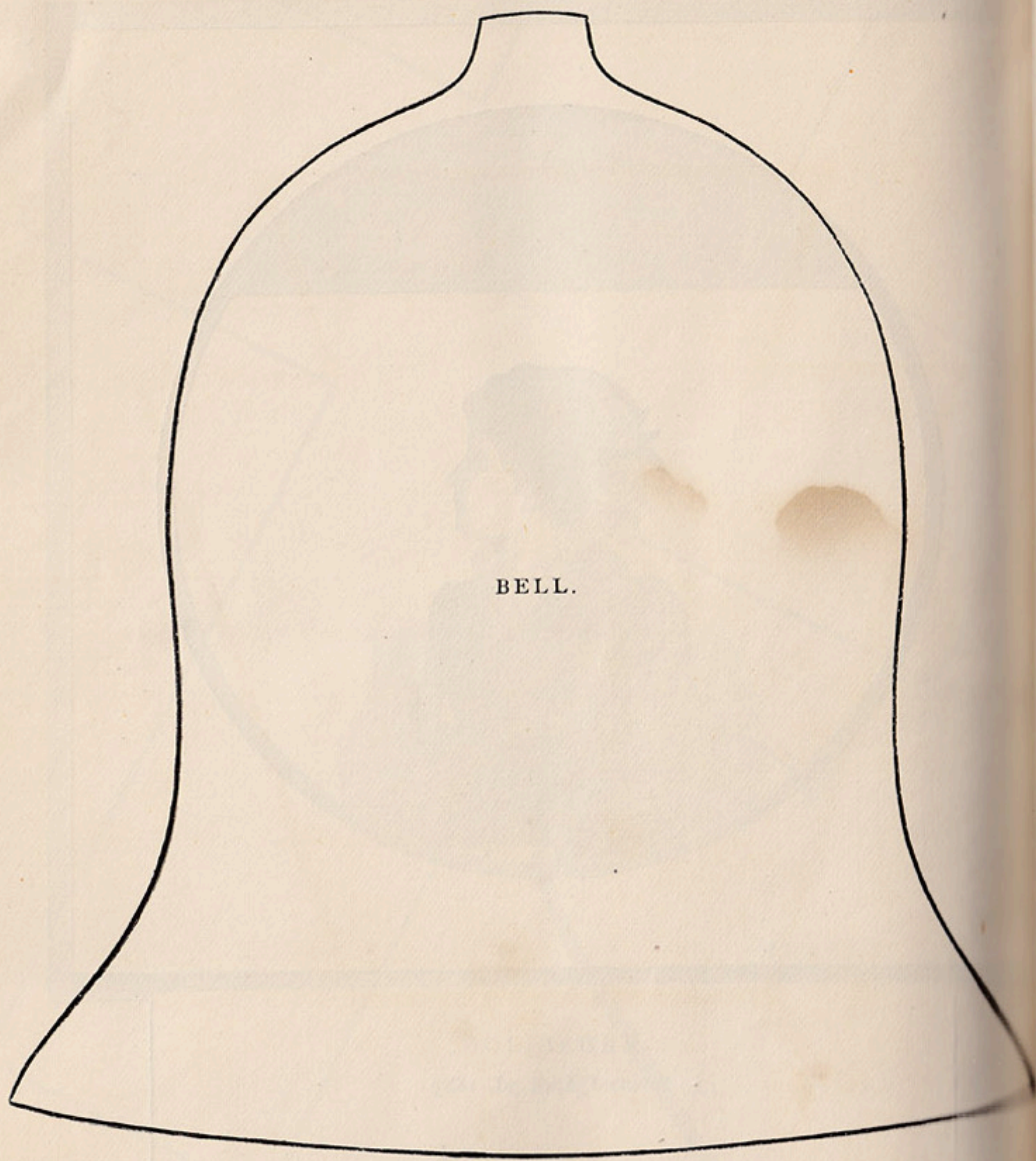
MALTESE CROSS.

CROSS.

HEART.



MEDALLION.
Patented April 3d, 1883.



BELL.



KEYSTONE.



SHIELD.

The goods enumerated in this Catalogue may be purchased from any dealer in Photographic requisites in this country, Canada, Great Britain, the West Indies, or in Australia.

Photographers often send to New York under the supposition that dealers charge them too high prices. By a comparison with this catalogue they will see that such is not the case. On the other hand, if goods are offered to them considerably lower than these prices, there is good ground for caution in buying, because good goods cannot be supplied for less money.

When our goods cannot be obtained of your dealer, send direct to us for them.

Do not order Gun Cotton, Poisonous Chemicals, Liquids or Dry Plates to be forwarded by mail. All goods by mail sent at the risk of purchaser.

New Catalogues, Circulars, &c.. will be mailed to any one whose address is sent to us with the request for copies.