

CANADIAN

Journal of Photography.

VOL. II.

MARCH, 1870.

No. 2.

HOW TO TAKE A NEGATIVE

From the Plate and Print from either Side.

Photographers are sometimes asked if they can print a negative reversed, *i. e.* showing the picture reversed. The following, from the pen of David Duncan, will be found useful, and being simple and easy of manipulation, is worthy of a place in our little journal :—

I. Prepare and filter the following solution :—

White of Egg, well beaten... 1 ounce.

Water 8 ounces.

II. Take a *clean* glass plate and rub one side carefully with a piece of white wax so as thoroughly to coat the plate, and then rub nearly off again with a clean piece of flannel or cloth. Coat the waxed side with a good plain collodion containing 7 grains cotton to the ounce, when firmly set, wash gently under a tap until the water flows well and smoothly over it. Then pour over it carefully sufficient of the albumen solution, and flow off into the sink and put aside to dry. You can prepare quite a number of plates in this way, as they will keep for a long time.

III. When about to take a picture, take one of the prepared plates, coat, sensitize, expose and develop just as usual. When fixed and thoroughly washed, flow over the film again with the albumen solution and dry.

IV. When dry, place carefully on a levelling stand and cover with plain collodion as above, containing about 8 to 10 drops per ounce of castor oil. When this is all dry run a knife round the edge of the plate, and the picture imprisoned between the two

Grooved boxes for Negatives to hold 1-4 s., Cabinet s., and 4x4 s. Cheap, good and neat.

films of albumen and two of collodion, may be lifted from the glass ready to print from. To use them, lay them on a piece of clean glass in the printing frame and print from either side.

Negatives of this kind may be stored in a book, and a hundred of them may be carried about in the pocket. They are not easily broken, and may be sent by mail or otherwise without fear.

Should you want to make a transparency proceed in the same way, only using collodio chloride of silver (porcelain collodion), which may be removed in the same way, and attached either to paper, or to decorate a window or a piece of furniture. The ingenious photographer will find many uses for this excellent process, since transparencies may be affixed to so many ornamental articles at a small expense. Very beautiful lamp shades may be made in this way by transferring the transparencies to plain glass, and having it made up by the tin man into a lamp shade, if varnished, they will be water proof.

If instead of making a negative in the first instance, an ambrotype be made either of a person, a landscape, or a copy of an engraving, and then detached, they could easily be sold to the carriage maker to ornament carriages and sleighs. They may be attached by glue or varnish, and if varnished over would be quite durable.

TO TRANSFER AMBROTYPES TO LEATHER, ENAM- MELLED CLOTH, &c., &c.

When speaking of transfers it may not be amiss to repeat this old process, little practiced since the introduction of ferrotypes; still, we think, a process that might be introduced for ornamental purposes.

The method of operating is as follows:—Have a piece of leather (enammelled) cut of the required size, and see that it is quite free from dust or impurities. On the collodion side of the ambrotype, which must be quite dry, but not varnished, pour over it, so as to wet it thoroughly, the following solution:—

Alcohol..... 1 ounce.
Nitric acid 6 drops.

The surface of the cloth or leather had better be wetted with the same liquid. Now lay down neatly the leather on the top of the picture, press both in close contact, be careful that no air

Draining racks to hold 12 and 24 plates, cheap.

bubbles are found between the films, they may be easily pressed out with the finger when laying the films down together. Place two or three folds of blotting paper over the leather, and press under a weight for half an hour, then gently raise a corner with a knife when they will become separate, and the picture will now be found adhering to the leather with great firmness, and quite as free from liability to scratch as the surface of the leather itself.

This plan is old and well known to many of the older Photos, but to the young hands may be a novelty, and to all of you may be made commercially valuable.

PORCELAIN COLLODION.

We have had a number of letters on the subject of Porcelain Collodion (Collodio Chloride of Silver). Correspondents will understand that it is out of our power to give much information by letter, since all our time would be taken up. We have lately given considerable attention to the matter, and give below a formula that we are assured gives excellent results. It is very easy of application, and very little complicated.

Make the following solutions :—

- I. Plain Collodion—Alcohol, 6 ounces.
Ether, 8 ounces.
Cotton, 96 grains.

Filter or allow to settle.

- II. Alcohol, 1 ounce.

Chloride of Calcium, 48 grains.

- III. Water $\frac{1}{2}$ ounce, Nitrate of Silver 96 grains, dissolve, and add Alcohol $\frac{1}{2}$ an ounce. Possibly it would be better to say—
Water, 2 drams; Nitrate of Silver, 96 grains; Alcohol, 6 drams—the less water the better.

- IV. Water 3 drams, Citric Acid 28 grains, dissolve, and add Alcohol 5 drams.

The above solutions will keep any length of time, and the Collodion, when all compounded, will keep a considerable time.

To prepare, take say—

Plain Collodion, No. 1..... 4 ounces.

Solution, No. 2..... 2 drams.

Mix, then add 2 drams Solution No. 3, a few drops at a time,

Our Chloride of Gold will tone twice as many pictures per bottle as that usually sold.

shaking well between each addition. Lastly, add, *a little at a time*, 2 drams Solution, No. 4. Shake all well. Allow to stand an hour, and it is ready. It will be understood that when this Collodion is mixed, it must be kept carefully from the light. The bottle in which it is kept may be protected by coating well two or three times with black varnish.

To make a print, flow your plate first with a solution composed of

White of Egg, well beaten, 1 ounce.

Water, 10 ounces.

Liquor Ammonia, 20 drops.

Allow to dry free from dust. Then flow with the above Porcelain Collodion. Dry thoroughly, and fume with Ammonia for a few minutes, which is a great improvement. It is now ready to print. Over print considerably, wash carefully under a tap. Tone with a weak old gold toning solution, and fix in Hypo not too strong.

If you have not a special printing frame, place in an ordinary printing frame, of a size larger than your negative, a piece of plain glass. To this attach your negative by slips of gummed paper on three sides. Lay your porcelain plate face down on the negative, and paste nicely a strong paper hinge on to the fourth side of your negative. When dry, you can lift and examine, and return to correct register. We think, with the above explanation, any one may make a porcelain picture. We will be glad to supply the Collodion to those who may not wish to make it themselves, and to give any further information we can.

SOMETHING NEW ON SILVERING PAPER.

Always ready to lay before our customers anything new or valuable in photographic manufacture, we would not be doing our duty to them did we not describe a mode of silvering the paper which we have found of very great value; indeed, we have no hesitation in stating that any one trying the plan will be very much pleased with the result. Provide a board slightly larger than the largest piece of paper you intend silvering; cut pieces of white blotting paper of the size of the board. When about to silver your paper, place the board in a convenient position near the silver bath, with one end elevated to an

We have a few gross frames with glass for Ferrotypes as low as \$3.00 per hundred.

angle of say 30 degrees. Float your first sheet on the bath, and then place a piece of blotting paper on your board. When the sheet is ready to lift from the silver solution, lift it by the two corners nearest you, and draw the wet albumen surface against the end of the bath; lift the sheet of paper very slowly, and allow it to cling with its wet side tight to the end of the tray. This it will easily do if you are careful to lift the paper perpendicularly over the end of the dish. You will thus wipe off, as it were, nearly every drop of the free nitrate from the face of the paper, saving waste. The only precaution necessary at this stage is to lift the paper slowly and straight up so that it clings to the inside of the end of the dish. Now lay your sheet face up on the blotting paper on your sloping board, taking care that the end of the sheet that came last off the bath is laid on the highest end of the board. Prepare a second sheet, and when nearly ready to lift off the bath, cover the sheet first prepared, and now partially dry, with another piece of clean blotting paper, and lay the second sheet on top of this, as before. Proceed in like manner with the rest, and when finished, put another board on top of all, and allow to dry. The advantages of this mode of proceeding are numerous—saving of silver, no messing and dropping round, perfect equality of sensitizing, absence of measles, mealiness, spottiness and all defects inherent to imperfect silvering; beautiful, brilliant surface when printed, and your paper is always flat. If you try this plan you will find it cleaner, surer, simpler and better than any other plan with which we are acquainted.

A GOOD PLAN.

Procure some thin *tea* paper, about the thickness of a sheet of albumen paper. Cut out a number of pieces (a lot) rather larger than a quarter plate; provide a tin, glass or zinc shape, rather larger than a card picture—one-sixteenth of an inch larger each way will be sufficient. With this shape cut openings in your pieces of paper large card size; lay them over your finished negatives, and having found the proper place for them, gum them to the face of the negative, and trim them with the scissors to the size of the glass. Cut up your silvered paper carefully to the size of finished prints, (in short, trim your paper before you print it) and you can easily lay the paper in its proper position in the mask. Advantages: saving of paper, you can get so

Every one says our Card Board Is the Best and Cheapest in the Market.

many more out of a sheet ; saving of time, you can easier trim the paper unprinted than when it is printed ; and the mask can always be put on correctly with lines in the background, and sometimes it is difficult to trim the print straight with these lines, they are so dark.

So much for this month. We would like, if any of our customers know a good thing, if they would not be dog in the manger, but send it to us and we will print it. Send us along some of your new ideas, friends, or your good old plans.

GOODS AND PRICES.

The rise in value of American greenbacks has had a considerable influence on prices of American goods lately, they have gone up fully twelve per cent. It is likely, if the Americans begin to resume specie payments, that goods may go down to gold value ; but meantime they have not begun to do so, consequently our customers must not be surprised if goods of American manufacture are charged higher than formerly.

We are doing our best by large purchases and otherwise to obviate the difficulty, and are always ready to give our customers the advantage.

FRAMES.

In frames, we have now the largest assortment in the Province, and are willing to sell at rates no other house in the trade can reach. We have made arrangements with two American houses, and will in future be their sole agents in the Dominion. We have them of two qualities, in all sizes, from 4 x 5 to 17 x 20 in rose and gilt.

In gilt frames, we can offer a better and cheaper frame than we have ever done before, and we confidently assert our new 8 x 10 frame is the best and cheapest of the kind to be had. As before, we are manufacturers of leaf corner walnut frames of all sizes from 6½ x 8½ to 13 x 17. We now offer them at very low rates, and from the introduction of improved machinery in their manufacture, warrant them a really excellent frame. They are all quite true and square, and the gilt lining is fastened securely in.

Our Varnish is put up in 8 ounce bottles at the same price as other 6 ounces.

We call the attention of photographers, booksellers, cabinet makers, to the above stock; and to our immense stock of mouldings, of which we subjoin a partial list. Special rates will be given for large quantities. As we are sole agents for the manufacturers in the Dominion, we can give better terms than any other house in the trade.

In ovals, we have special rates by the dozen, the half gross and gross.

Mouldings are subject to different rates of discount, according to the amount of order. We have on hand also carved walnut mouldings, an article not hitherto for sale in the Province.

We are agents for Ross, London; Spencer, Glasgow; Derogy, Paris; The Scoville Manufacturing Company, New York; The *Optical Manufacturing Company*, New York.

Ross's Lenses.—We expect daily a large consignment of these celebrated Lenses, which we have no hesitation in saying are the best in the world. Notice future numbers of *Philadelphia Photographer* for testimonials as to their excellence. Messrs. Wilson & Hood, of Philadelphia, have been appointed our agents for their sale, and have agreed to collect and publish unbiased testimony of their character.

We are able now to offer them at a very small advance on Mr. Ross's price in London. Mr. Ross has lately finished for a foreign government the largest Lense in the world. Covering a plate sharp to the edges 5 ft. x 4.

To arrive, a new consignment of Derogy's celebrated Lenses and solar Cameras, with and without clock work. These were shipped on the 16th January from Havre, and may be expected daily. We offer to sell them cheaper than they can buy elsewhere, and have only one price.

New goods of all kinds too numerous to mention. We subjoin a list of a few lines to which we beg particular attention, either on account of quality or cheapness:—

Rolling machines from card to 18 x 24.

Cameras from card to 16 x 20.

Cameras, with and without swing back.

Cameras for two cards on one plate.

Gem Cameras.

Stereoscopic Cameras.

The Almanacs to hand, better this year than ever.

- View Cameras, Kinnear's pattern.
Portrait Lenses.
Quick Acting Doublet Lenses.
Large Angle Lenses.
Triplet Lenses from 4 x 8 to 16 x 20.
Lenses by Ross.
Lenses by Dallmeyer.
Lenses by Derogy.
Lenses by Harrison.
Lenses, quick acting imitation.
Stereo Lenses.
Gem Camera Lenses.
Focusing Lenses.
Studio Furniture, new patterns.
Ewing's Posing Rest.
Ewing's Hawarden Collodion, WARRANTED.
Ewing's Extra Sensitive Collodion.
Lion Paper.
Albumen Paper for Solars up to 30 x 40.
Spencer's Albumen Paper, (London).
Hovey's Albumen Paper.
Anthony's Albumen Paper.
Imperial Paper.
Salomon Paper, as used by Salomon of Paris—a beautiful paper.
Card frames from 3 cents to \$3 each.
Glass for framing all sizes.
Extra thick Crown, 8 x 10, 10 x 12, 11 x 14.
On hand.—A splendid carved table, all wood, worth \$40.
Price, \$25 only.

MOULDINGS.

Having been appointed agent for the sale of their mouldings by a large U. S. manufacturing company, we are prepared to offer mouldings of first rate quality at very moderate prices. *Bear in mind that prices will vary with price of gold, and that our instructions are to sell at rates that will command the attention of every dealer in mouldings.*

The mouldings will compare very favorably with anything hitherto for sale in Canada. The manufacturers guarantee is "*superior to any other manufactured in the State of New York.*"

Grooved Boxes for Negatives to hold 1-4 s., Cabinet s., and 4 x 4 s. Cheap, good and neat.

On hand the following styles and sizes—all other kinds usually made by first class houses to order, Walnut Mouldings, Car Mouldings, &c. Prices this 21st March for small lots—larger discounts for larger orders. Give us a trial.

PRICE OF MOULDINGS THIS 21ST MARCH—GOLD 112 PER CENT.

STYLE.	No.	Width.	Price per 100 feet.	
			\$	c.
Rose and Gilt inside.....	1	1 in.	3	60
“ “ “.....	1	1½	5	40
“ “ “.....	1	2	7	25
“ “ “.....	1	2½	9	00
“ “ “.....	1	3	10	80
Rose and Gilt, high back.....	2	1	4	06
“ “ “.....	2	1½	6	07
“ “ “.....	2	2½	11	10
“ “ “.....	2	3	13	50
Rose and Gilt Stencil, extra quality.....	4	1½	10	80
“ “ “ “.....	4	2	14	40
“ “ “ “.....	4	2½	18	00
“ “ “ “.....	4	3	21	60
Gilt Moulding, Pearl.....	11	¾	3	60
“ “ “.....	11	1	4	50
“ “ “.....	11	1½	6	75
“ “ “.....	11	2	9	00
“ “ “.....	11	2½	11	10
“ “ “.....	11	3	13	50
Gilt Stencil, extra quality.....	17	1½	12	15
“ “ “.....	17	2	16	20
“ “ “.....	17	2½	20	25
“ “ “.....	17	3	24	30
Gilt Bead.....	10	½	2	50
Rabbit Lining, gilt.....	7	½	2	50

Discount on large orders—terms as usual.

ADAM'S PATENT PHOTOGRAPH

Receptacle and Display Case.

Our readers will remember that we some months ago advertised the above Cases, but owing to delay in the issuing of the

A Splendid 16 x 2 Delmeyer's new Camera and Lense for Sale very cheap.

Patent in the United States, the patentee was advised not to sell any till the right was properly secured.

We are now able to announce to parties who then favored us with orders for them, that we are sole agents for the Dominion, and have in stock a large supply. They are very neat in appearance, and moderate in price. We have had one in use for over six months, and can bear personal testimony to its usefulness. Photographers who are using them combine in stating that they are very valuable. It is difficult to describe them without a drawing, but we may mention that their principal use is as a holder for portraits ready for delivery. They resemble a neat show card, framed and glazed, but instead of only one large glass, they have a glass for every card or cabinet picture. These glasses are ingeniously fitted in, and you can place behind them any number up to 12 cards or cabinets, ready for delivery. They keep the pictures perfectly flat, a great excellence. Any portrait can be seen at a glance. They can be taken out or put in in a moment. In short, we regard them as really excellent articles that will soon secure a place in every well regulated gallery. They do also as show cases, and are quite as cheap as a good show mat, framed, of the same size. We find one containing 24 cells, very valuable for holding extra cards printed over the number ordered. We have each cell lettered A. B. C., &c., and if any of Miss Brown, Black or Blue, are over, we place them in B., and in the same way if we have some of Mr. Fraser's, or Mr. Fuller's or Mr. Francis', over, put them in F. They are always ready and handy if wanted. In order to introduce them rapidly, we offer to send on approbation one of any of the sizes ready, and if not approved of, to refund the money on return of the case in good order, party ordering to pay express freight.

We have twelve styles in course of manufacture, from the plain pine case, simply stained, to the elaborately finished walnut show stand, for the drawing-room of large establishments, at \$50.

They contain usually from 24 to 72 dozen cards, and from 6 to 24 dozen cabinets.

ON HAND.

No. 2.—All Walnut, framed and varnished, holds 24 dozen, price \$4.

Best quality 4-4 Glass.—A new lot to hand,

No. 3.—All Walnut, framed in Walnut, holds 24 dozen, moulding varnished, \$3.50.

No. 4.—All Walnut, framed in Walnut, moulding varnished, holds 48 dozen, price \$5.50.

TO ORDER.

No. 1.—Folding case, outside Walnut, inside Pine, holds 36 dozen, \$4.

No. 5.—Flat Pine Case, stained, holds 24 dozen, price \$3.
In all twelve varieties.

ENLARGEMENTS.

The season is now better for enlargements. We repeat again, our offer to make one specimen fully retouched in India ink from Vignette negative, about 6 inch head, with double embossed mat, for \$10.50. We made a great number, and they gave entire satisfaction.

ALMANACS.

The *British Journal Almanac* and *Photo News Almanac* have both arrived. Price 50 cents each, by mail 55 cents. We have no hesitation in stating, every one should have a copy, they are invaluable. Only a limited number can be supplied.

WASTES.

Remember, we give the highest price for wastes. For very good paper we have been paying 75 cents per lb. Send your wastes along, and we will allow highest rates, deducting only for reducing.

COLLODION.—We warrant our Collodion at present to be equal to any that we have ever sold. Our customers will remember that, just now, we specially recommend it. If any failure occurs it is not in the Collodion, but in the other chemicals

For card pictures, we believe the Lion Rives we are now selling the best paper in the market.

Hovey's paper is gone up ten cents. We recommend customers to try our Salamon paper. Price \$1.00 per dozen.

Mount with gum royal the cleanest and best, always ready.

ENGRAVED DESIGNS FOR CARD MOUNTS.

We present to our readers specimen designs for card backs. For first class houses they are very desirable. They cost more than printed designs, but the finish is much better.

Designs, monograms, &c., furnished free.

Engraving plate from.....	\$3.00 to \$10.00
Printing 1,000.....	\$2.50 per M.
“ 5,000.....	2.00 “
“ 10,000.....	1.75 “

TO MY CUSTOMERS.

I thank you, gentlemen, for the liberal patronage you have extended me since commencing business, and hope our intercourse has been mutually profitable and agreeable. It has been my endeavour to furnish you everything at as low a rate as possible, compatible with quality. How far I have succeeded, you are the best judges. I claim that I have enabled you to buy goods of the same quality, in many instances, 50 per cent. less than you were formerly paying, and of a quality far surpassing in purity anything hitherto for sale in our markets.

I have made arrangements to have manufactured for me in England, goods formerly only to be bought in New York, and you may expect a better article at a still lower rate. I am importing also from the manufacturers, Saxe paper of the very best quality to albumenize, and will introduce to your notice early in summer a new albumen paper, which I will warrant better in quality, will work easier, with less silver, and give a higher gloss when finished, than any hitherto for sale in the American market.

To parties who have so liberally patronized the Lion paper, I return thanks. It was our first trial at albumenizing paper, its defects are now known, and will be all remedied, and our new paper will be much finer and guaranteed faultless. To purchasers of four dozen and over, we will supply a specimen cabinet portrait and printed formula for silvering and toning gratis.

I am, gentlemen,

Truly yours,

R. D. EWING,

Manufacturer, Dealer, and Wholesale Commission Merchant,
150 King Street West, Toronto.

P

VOL.

W
maki
answ
we k
but b

Int
nitric
hours
it is a
in at
then
belie
tion
a cup
divid
Free
plan.
lay t
your
will a
Take
with
or gl
and
bottl
fill y
solu
tion
ounc
caref