

G. F. E. PEARSALL.
Photographic Printing-Frame.

No. 208,536.

Patented Oct. 1, 1878.

Fig. 1.

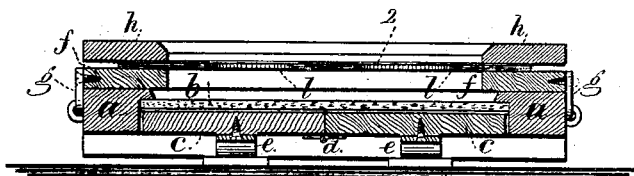
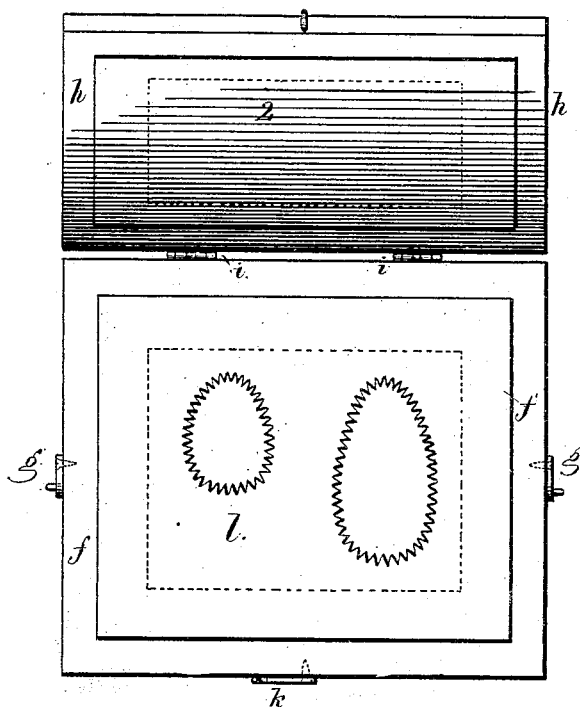


Fig. 2.



Witnesses

Chas. H. Smith
Geo. T. Pinckney

Inventor

G. Frank E. Pearsall.

per Lemuel W. Serrell

att'y.

UNITED STATES PATENT OFFICE.

G. FRANK E. PEARSALL, OF BROOKLYN, ASSIGNOR TO E. AND H. T. ANTHONY & CO., OF NEW YORK, N. Y.

IMPROVEMENT IN PHOTOGRAPHIC-PRINTING FRAMES.

Specification forming part of Letters Patent No. 208,536, dated October 1, 1878; application filed January 21, 1878.

To all whom it may concern:

Be it known that I, G. FRANK E. PEARSALL, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Photographic-Printing Frames, of which the following is a specification:

Photographs have been printed as vignettes by intercepting the light around the border of the picture, and to accomplish this object a septum with an opening has been used in connection with tissue-paper; but difficulty has arisen in properly placing and holding the septum so that the opening will conform to the negative.

Various devices have been made for vignetting pictures, but they have been often complicated and difficult to make use of, as well as expensive.

I make use of an ordinary printing-frame and an adjustable blending attachment consisting of a frame that supports the septum or aperture card at the proper distance from the negative and a binding-frame that clamps the septum in the position required, and also carries a sheet of translucent material, such as tissue-paper, to lessen the intensity of the light. By this construction I am enabled to place the aperture-card in the proper position in relation to the negative, and to hold the same firmly while any number of pictures are printed from the negative, and but few septums or aperture cards are required, because the card can be moved and the position of the aperture changed as required.

In the drawing, Figure 1 is a vertical section of the printing-frame complete, and Fig. 2 is a plan with the clamping-frame thrown back.

The frame *a* is provided with the rabbeted opening for receiving the glass negative *b*, and the two-part back *c* is hinged at *d*, and provided with the springs *e*, that serve to press the sensitized paper against the negative. This portion of the printing-frame is of ordinary construction, and may be varied to suit the pictures or negatives. The frame *f* is pref-

erably thin and rather wider than the frame *a*, and it is connected to the frame *a* by hooks *g*, so that the vignetting apparatus may be connected to or removed from the frame *a*, as occasion may require.

The clamping-frame *h* is hinged to the frame *f* at *i*, and provided with a hook at *k*, and upon this frame *h* there is a sheet of tissue-paper or similar translucent material at 2.

The septum or aperture card *l* is made with one or more openings of the desired size and shape, preferably with zigzag edges, and this septum is placed upon the frame *f* with the opening in the proper position relatively to the picture. Then the frame *h* is closed down and hooked, so as to hold the septum in place while the printing is being done in the usual manner.

From the foregoing the advantages of this improvement will be apparent to those skilled in the art, and I remark that this vignetting-frame may be changed from one printing-frame to another.

I am aware that the ordinary printing-frame has been provided with a vignetting attachment consisting of a frame with an opening attached by slotted links, so as to be movable, to place the opening at the proper position for the picture. In my improvement the clamping-frame is in a fixed position and is very simple in construction, and the septum-card only is movable between the frame *f h*.

I claim as my invention—

In combination with a photograph-printing frame, the frames *f h*, hinged together, the tissue-paper or similar material in the frame *h*, and the aperture-card *l*, that is placed in position and clamped between the frames *f h*, substantially as set forth.

Signed by me this 17th day of January, A. D. 1878.

G. FRANK E. PEARSALL.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.