

A. Becker,

Daguerreotype Plate-Holder.

N^o 6812.

Patented Oct. 23, 1849.

Fig. 2.

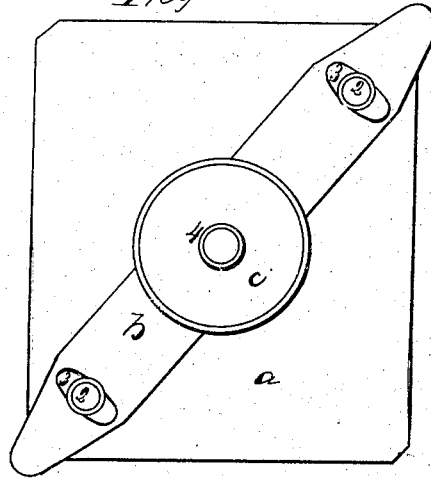


Fig. 3.

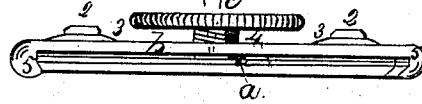
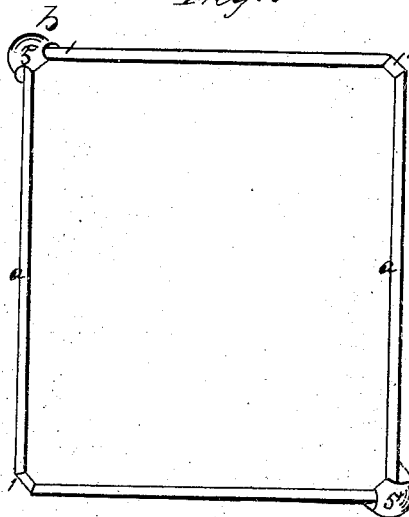


Fig. 1.



Witnesses

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ALEXR. BECKERS, OF NEW YORK, N. Y.

BLOCK FOR HOLDING DAGUERRETYPE-PLATES.

Specification of Letters Patent No. 6,812, dated October 23, 1849.

To all whom it may concern:

Be it known that I, ALEXANDER BECKERS, daguerreotypist, of the city of New York and State of New York, have invented and made
5 and applied to use certain new and useful improvements in the means of holding daguerreotype-plates while polishing or cleaning them by so adapting a clip, acting at the diagonal corners of a holding plate on
10 the plate to be polished, that by a center on the back of the clip a pin on a cross-lever holds the apparatus on a rotary polishing chuck and allows a rotary movement to the plate that is polishing or cleaning on the
15 chuck; for which improvements I seek Letters Patent of the United States, and that the said improvements are fully and substantially set forth and shown in the following description and in the drawing annexed
20 to and making part of this specification, wherein—

Figure 1 is a plan of the face. Fig. 2 is a plan of the back, and Fig. 3 is a side elevation of a holding plate, thus fitted, and
25 holding the plate to be polished.

The same letters and numbers, as marks of reference apply to the same parts, in each of the three figures.

In these *a*, is the holding plate, and *b*, is
30 a diagonally placed piece of metal, behind the plate *a*, each corner, 1, 1, of the plate *a*, is taken off, and beveled inward to the face, so that two opposite diagonal corners receive lips 5, 5, formed by so turning the
35 ends of the cross piece *b*, upward and inward toward the center, that each lip forms a clip, on the bevels of the two diagonal corners on the plate *a*.

At 2, 2, are screws, having springs 3, 3, beneath their heads, the shafts of the screws
40 2, 2, going through the cross plate *b*, and the thread of each screw taking the plate *a*, to hold the plate *b*.

In the center of the cross piece *b*, is a
45 thumb screw *c*, the point of which comes against the back of the plate *a*, and in the center is a countersunk space 4, opening to a center, punched into the back of the plate *a*; when thus completed this holding plate
50 is to be used as follows: The screw *c*, is to be turned out, so as to leave the piece *b*, in contact with the back of the plate *a*, the lip clips 5, 5, will now admit the two diagonal

corners of a daguerreotype plate, to be entered between them, and the beveled angles 55 of the plate *a*, then by turning the screw *c*, in, the plate *b*, is so far detached from the plate *a*, that the lip clips 5, 5, press strongly on the two angles of the daguerreotype plate, and hold it firmly on the face of the plate *a*;
60 a small hand lever is to be attached by one end, to the frame, that carries the usual and well known rotary polishing chuck, so that the lever may be moved, as a radius to a circle, whose center is at the point, where 65 the end of the lever is attached, and at that part of the lever, which is on a line with the axis of the polishing chuck, a stud, or pin, is to be fixed so that the pin shall project downward, through the hole 4, into the center 70 hole in the plate *a*, below the thumb screw *c*, as shown by dotted lines in Fig. 3; and by means of the lever operated by the hand the plates, may be pressed upon and
75 moved over it in alternate opposite directions on the face of the chuck, which chuck when put in rapid rotation, will give the plates a rotary motion, varied by the position of the plates on the chuck whether near the center, or near the edge of the chuck, 80 and if held in one position, by the hand lever, the operation of the polishing chuck will be slow, partial, and unequal, but by moving the lever and plate, across the polishing chuck, in alternate opposite direc- 85 tions, the chuck operates to bring an equal, clear, and effective polish, by the effect of the varying directions, in which the rotating plate is presented to the action of the revolving chuck; in most instances, the plate to be 90 polished, is now held in the fingers of the operator, who partially gives to it, a corresponding motion over the face of the chuck, but has not the effective command of the plate, in all situations on the chuck, 95 which this mode of fitting the plate will give him.

What I claim as new, and of my own invention, and desire to secure by Letters Patent, is— 100

The application of the cross piece *b*, and lip clips 5, 5, with the thumb screw *c*, to hold the plate to be polished, on the face of the plate *a*, the plate below the center 4, of the thumb screw *c*, being fitted to receive 105 through an aperture in the center of the

screw a point, or stud, on a lever, by which the plate *a*, can be moved in alternate and opposite directions, across the face of a rotary chuck, for the purpose of polishing, or
5 cleaning daguerreotype plates, substantially as described and shown.

In witness whereof, I have hereunto set

my signature, in the city of New York, this twenty-seventh day of September, one thousand eight hundred and forty eight.

ALEXR. BECKERS.

Witnesses:

W. SERRELL,

LEMUEL W. SERRELL.