

M. Finley,
Daguerreotype Plate-Holder,
Nº 10,093. Patented Oct 4, 1853.

Fig. 1

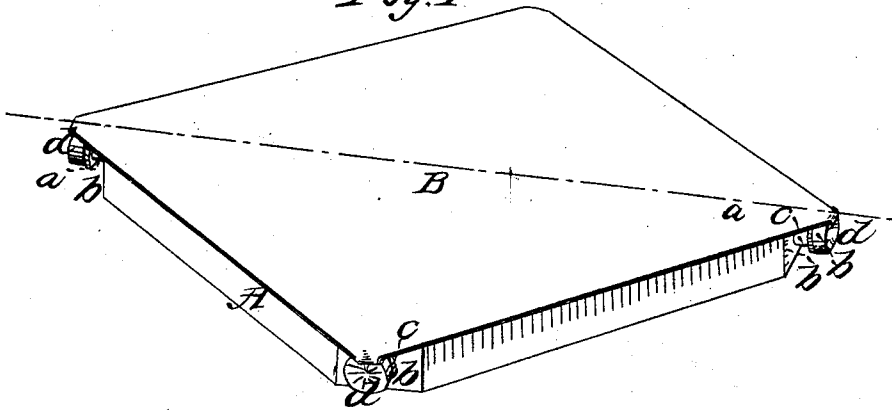
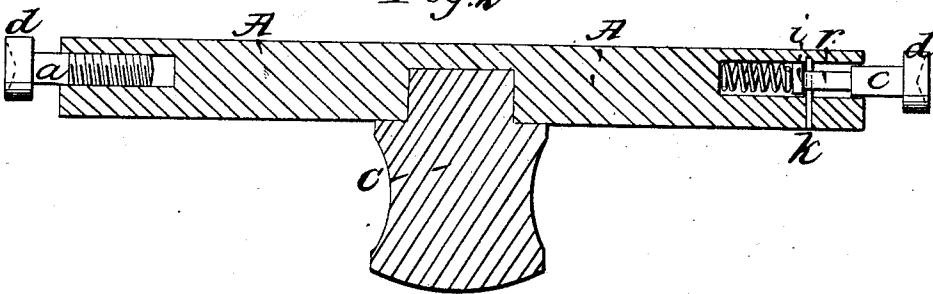


Fig. 2



UNITED STATES PATENT OFFICE.

MARSHALL FINLEY, OF CANANDAIGUA, NEW YORK.

IMPROVED DAGUERREOTYPE-PLATE HOLDER.

Specification forming part of Letters Patent No. **10,093**, dated October 4, 1853.

To all whom it may concern:

Be it known that I, MARSHALL FINLEY, of Canandaigua, in the county of Ontario and State of New York, have invented certain new and useful Improvements in Apparatus called the "Daguerreotype-Plate Holder;" and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 represents a perspective view showing the block or holder A, its beveled corners *b*, the pressing-screws *c*, the heads of which are made dishing or concave, and the plate in position with its four several corners clasping their corresponding screw-heads. Fig. 2 represents a vertical longitudinal section of the same with the plate removed for the purpose of showing more clearly its construction and operation.

To enable others skilled in the art to make and use my improved plate-holder, I will proceed to describe in detail the construction and operation of the same, which consists of a base or platform A, of suitable size and thickness, and usually in the form of a parallelogram. The four corners of this platform are beveled off, forming an oblong octagon, as represented in Fig. 1. Into two of these corners I insert in mortises of the required depth spiral springs *e e*, which constantly tend to force the pressers outward, as shown in Fig. 2. On the shank of each of these pressers is formed a wrist *r*, having on its end a head or cap *i*, the face of which is of the same size and is immediately in contact with the spring *e*. To prevent the spring from forcing the presser entirely out of its proper position, I insert through the platform A a key or pin *k* in such manner as to per-

mit the presser to move back and forth the required distance, but to prevent, by coming in contact with the shoulder formed by the cap *i*, all possibility of its becoming deranged. The head *d* of the presser may be more or less dishing or concave to suit different constructors, as represented in dotted lines, the object of which is to receive the corners of the plate B, which are necessarily bent or formed into the shape of hooks, grasping firmly the heads of the pressers or sliding screws, as shown in Fig. 1. Into the two opposite corners of the block or holder I insert adjustable screws *a*, with concave heads corresponding with their opposites, which admit of being set out or in to accommodate any variety in the size of the plate. In the center and on the under side of the platform is fitted a square stock or handle *c*, which is inserted into a socket prepared to receive it, for the purpose of holding the platform firmly while the plate is being buffed, or grasped by the hand in buffing the plate upon a wheel.

I do not claim holding daguerreotype-plates to be buffed by the outward pressure of spiral springs against the turned edges of the plate; but

What I do claim as new, and desire to secure by Letters Patent, is—

Constructing a sold daguerreotype - plate holder or block having fastenings at each corner made by spiral springs, in combination with tightening-bolts having concave heads, into which the bent or turned corners of the plate to be buffed are hooked so as to admit of a uniform buffing, as herein set forth.

MARSHALL FINLEY.

Witnesses:

JAMES G. MITCHELL,
SIMEON K. CUTLER.