

W. H. LEWIS.
PLATE HOLDER.

No. 468,456.

Patented Feb. 9, 1892.

Fig. 1.

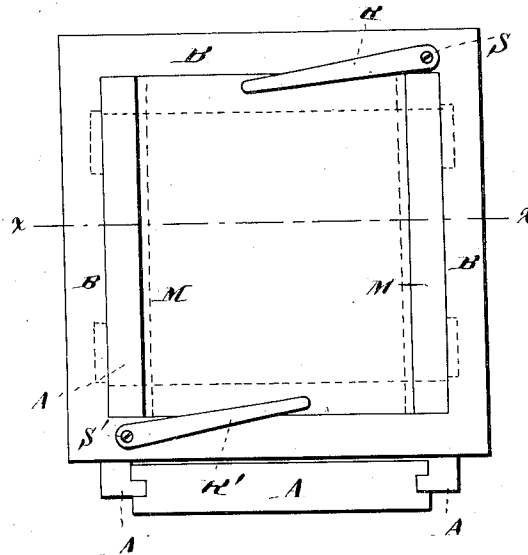
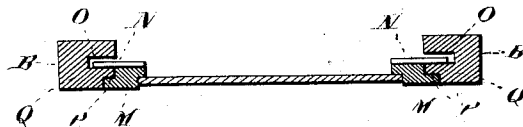


Fig. 2.



Witnesses:
J. C. Hoffman.
M. A. Sachs

Inventor:
William H. Lewis
by Phillips Abbott
his Attorney

UNITED STATES PATENT OFFICE.

WILLIAM H. LEWIS, OF HUNTINGTON, ASSIGNOR TO THE E. & H. T. ANTHONY
& COMPANY, OF NEW YORK, N. Y.

PLATE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 468,456, dated February 9, 1892.

Application filed December 10, 1890. Serial No. 374,159. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. LEWIS, a citizen of the United States, and a resident of Huntington, in the county of Suffolk and State of New York, have invented certain new and useful Improvements in Photo-Cameras, of which the following is a specification.

My invention relates to improvements in plate-holders specially designed for use in photographic apparatus known as "enlarging" or "reducing" cameras, although it is applicable to use in other photographic apparatus as well; and it consists in devices whereby the negative or its equivalent may be held either in a vertical or a horizontal plane.

Figure 1 illustrates a rear view of the invention. Fig. 2 illustrates a section on the line *xx* of Fig. 1.

A is the base of the camera.

B is the negative-holding frame.

M M are two strips of wood or like material, which are as long as one of the sides of the square opening in the rear of the frame B. They are preferably each provided with one or more clips N N, which are adapted to enter sockets or grooves O O in the inner face of the frame on all the sides of the rear opening, and they are also shouldered at P P, which shoulders engage with a ledge or rabbit Q Q also made on all the inner sides of the opening in the frame. The shoulders P P extend

across the ends of the strips M M, so that they will engage with the rabbets Q Q on the sides of the opening which are at right angles to those upon which the strips M M are placed, as the case may be.

R R' are springs movable on their pivots S S', which confine the negative or its equivalent in place, as now well understood.

From the foregoing it will be seen that the strips M M' may be inserted in either the vertical or the horizontal sides of the rear opening in the frame B, and consequently the negative may be held vertically or horizontally, as desired. The rabbets on the frame B and the shoulders on the strips M M prevent the passage of light, except through the negative.

I claim—

A plate-holder comprising, essentially, an exterior frame the opening in which is a parallelogram and removable strips adapted to change the contour of the opening in the frame by being interchangeably fitted into any of its sides, substantially as set forth.

Signed at New York, in the county of New York and State of New York, this 2d day of December, A. D. 1890.

WILLIAM H. LEWIS.

Witnesses:

PHILLIPS ABBOTT,
D. SOLIS RITTERBAND.