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PHOTOGRAPHIC-PLATE HOLDER.

Application filed May 31, 1902. Serial No. 109,387. (No model.)

To all whom it may concern:

Be it known that I, FRANK V. MATHews, a citizen of the United States, and a resident of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Photographic-Plate Holders, of which the following is a specification.

This invention relates to photographic-plate holders; and it consists of a simplified and improved mechanism whereby plates of different sizes may be held in the same plate-holder and by the same mechanism therein.

In the drawings, Figure 1 is a front elevation of a plate-holder embodying this invention, and Figure 2 is a cross-section on the line 2-2 of Figure 1.

As an example of this device a single plate-holder is shown consisting of the frame A, having the back a. The plate-holder is provided with the usual slide B. Within the plate-holder and on opposite internal edges of the frame are a pair of flat bowed springs C C, suitably fastened to the frame, as by means of the screws c, said screws passing through perforations in the springs and into the frame A. The ends of the springs C curve toward the medial line of the plate-holder, as shown in Figure 1, and are adapted to exert pressure toward each other. On the end of each spring and extending along the opposed faces of the two springs are pads c', that may be made of felt, leather, or other suitable substance that may be indented, but are preferably of soft India-rubber. The plate D is rectangular, as usual, and its corners are edges rest upon the pads c', and, indenting the same, plates of different sizes will be held in proper position by the pressure of the springs. The pads c' are shown as fastened to the springs C and extending around the ends of the said springs. This tends to increase the capacity of the plate-holder for plates of different sizes. Said pads may be cemented to the springs or may be held on the springs by means of rivets. (Not shown.)

This device is very cheap, very simple, and obviates the nicking or breaking of the corners of the plates by the direct pressure of metal thereon, and also holds the plates firmly by reason of the indenting of the pads and without danger of injury to the plate.

What I claim is—

1. In a photographic-plate holder, a frame, springs attached to opposite sides of the interior of the frame and adapted to exert pressure toward each other and having compressible pads upon their opposed faces, whereby a plate indents said pads and is held by the pressure of the springs.

2. In a photographic-plate holder, a frame, bowed springs attached to opposite sides of the interior of the frame and adapted to exert pressure toward each other and having compressible pads upon their opposed faces, whereby a plate indents said pads and is held by the pressure of the springs.

3. In a photographic-plate holder, a frame, a flat bowed spring attached to each of two opposite sides of the interior of the frame and adapted to exert pressure toward each other and having compressible pads upon their opposed faces, whereby a plate indents said pads and is held by the pressure of the springs.

4. In a photographic-plate holder, a frame, a flat bowed spring attached to each of the two opposite sides of the interior of the frame and adapted to exert pressure toward each other, and having India-rubber pads on their opposed faces, whereby a plate indents said pads and is held by the pressure of the springs.

5. In a photographic-plate holder, a frame, a spring attached to one side of the interior of the frame and adapted to exert pressure toward the opposite side thereof and having compressible padding thereon, in combination with means for engaging a plate on said opposite side of the frame, whereby a plate indents said padding and is held in the plate-holder by the spring-pressure.

6. In a photographic-plate holder, a frame, a spring attached to one side of the interior of the frame and adapted to exert pressure toward the opposite side thereof and having compressible padding thereon, in combination with spring means for engaging a plate on said opposite side of the frame, whereby a plate indents said padding and is held in the plate-holder by the spring-pressure.

FRANK V. MATHews.

Witnesses:
F. BISSELL,
D. GURNEE.