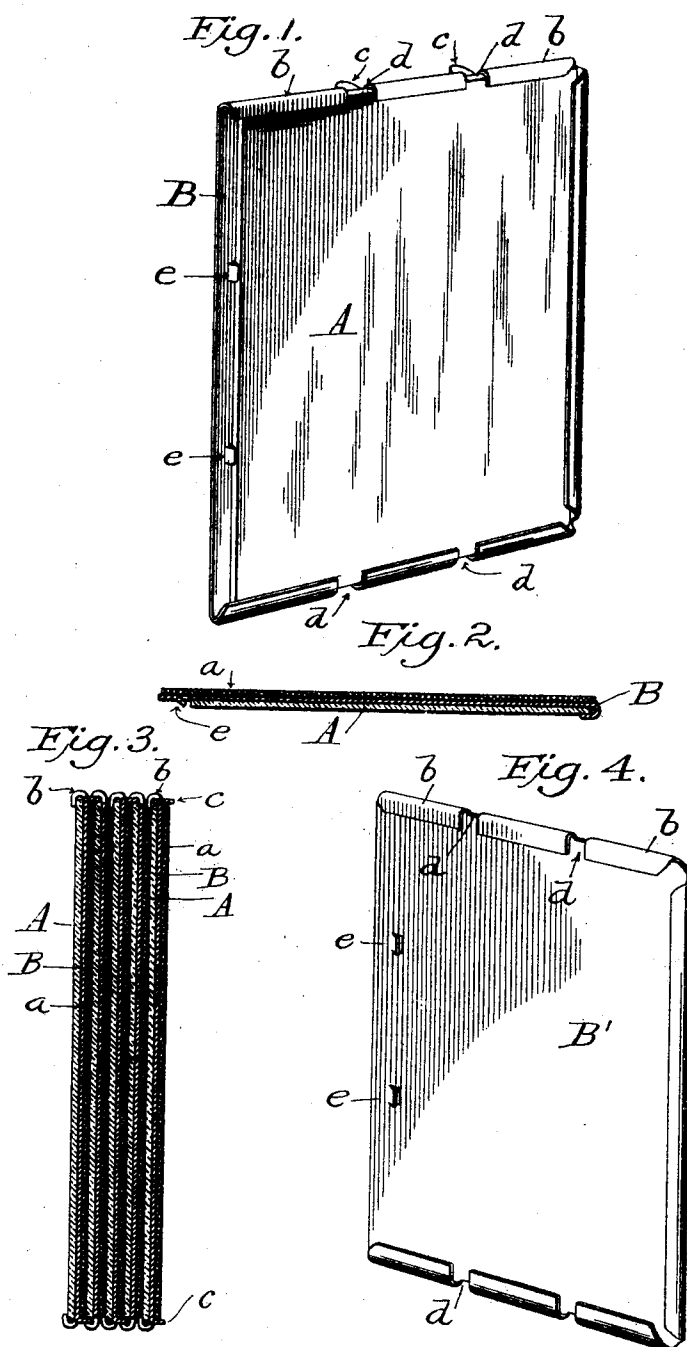


(No Model.)

C. B. WITHINGTON.
PHOTOGRAPHIC PLATE HOLDER.

No. 502,799.

Patented Aug. 8, 1893.



Witnesses:

James F. Duhamel
Horace A. Dodge.

CHARLES B. WITHINGTON,
Inventor,

by *Dodges & Sons*
Attys.

UNITED STATES PATENT OFFICE.

CHARLES B. WITHINGTON, OF JANESVILLE, WISCONSIN.

PHOTOGRAPHIC-PLATE HOLDER.

SPECIFICATION forming part of Letters Patent No. 502,799, dated August 8, 1893.

Application filed February 27, 1893. Serial No. 463,875. (No model.)

To all whom it may concern:

Be it known that I, CHARLES B. WITHINGTON, a citizen of the United States, residing at Janesville, in the county of Rock and State of Wisconsin, have invented certain new and useful Improvements in Plate-Holders, of which the following is a specification.

My invention relates to plate holders used in magazine cameras. In charging these cameras in the daylight, a package of a dozen plates, more or less, is inserted bodily from the plate-box or receptacle, and unless unusual care be exercised, the plates will slide one over another, and besides jamming or sticking in the opening, will destroy or injure the sensitized surface. The same difficulties are observable in removing the exposed plates from the camera into the supply-box. To overcome these objections, I adopt the construction shown in the drawings, in which—

Figure 1 is a perspective view of one of my improved plate-holders; Fig. 2, a horizontal sectional view of the same; Fig. 3, a vertical sectional view of a series of plate-holders; and Fig. 4, a perspective view of one of the blank plate-holders.

A indicates the plate, which may be of glass or merely a sensitized film; and B indicates the plate-holder. This holder consists of merely a sheet of metal or other similar elastic or flexible material with its edges turned over upon the film or plate, on three sides; and faced on the back or rear side with a layer *a* of cloth. The upper edge of the holder B extends slightly above the upper edge of the plate or film A so as to form a ledge *b* which is adapted to be grasped by the clutch or other device used in this class of cameras to transfer the plate into the exposed-plate compartment. Along the upper and lower edges (either or both) of the holder, are arms, lugs, tongues, or projections *c* which project rearwardly, as shown,—said arms being formed preferably by slotting the metal and turning it over backward. This method of construction results in the formation of seats or recesses *d* in the upper and lower (either or

both) edges of the holder. From this it will be seen that when the plates with their holders are placed as shown in Fig. 3, the arms of one holder will engage the seats or recesses of the holder next behind and thereby effectually prevent any lateral movement of one plate relatively to another. The rear plate B' will preferably have only the seats or recesses *d*,—the arms being omitted,—so as not to interfere with the compactness of the pile, or to interfere with the insertion and removal of the pile. The plate-holder B is provided,—on that edge which is not turned over or bent down upon the face of the plate,—with one or more detents *e*, Figs. 1 and 2, which are formed by slotting and bending the metal composing the holder,—said detents being designed to bear against the edge of the plate or film, and hold it against movement relatively to the holder. These tongues or detents are elastic and may readily be bent down flush with the face of the holder in inserting the plate or film, and subsequently bent upward again; or, as is preferred, the holder itself is bent to allow the plate to slide into place over these detents,—the elasticity of the holder permitting such flexure or bending.

From the foregoing it will be seen that the holder is adapted to receive thick or thin plates, and that no matter what style or form of plate suitable to be mounted in the holder, the camera may be successfully operated without any change in its mechanism.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A plate-holder comprising a plate B slotted along its edge and having the intermediate metal bent backward to form an arm *c* and a recess *d*.

In witness whereof I hereunto set my hand in the presence of two witnesses.

CHARLES B. WITHINGTON.

Witnesses:

JOHN CUNNINGHAM,
MAUDE L. YOUNG.