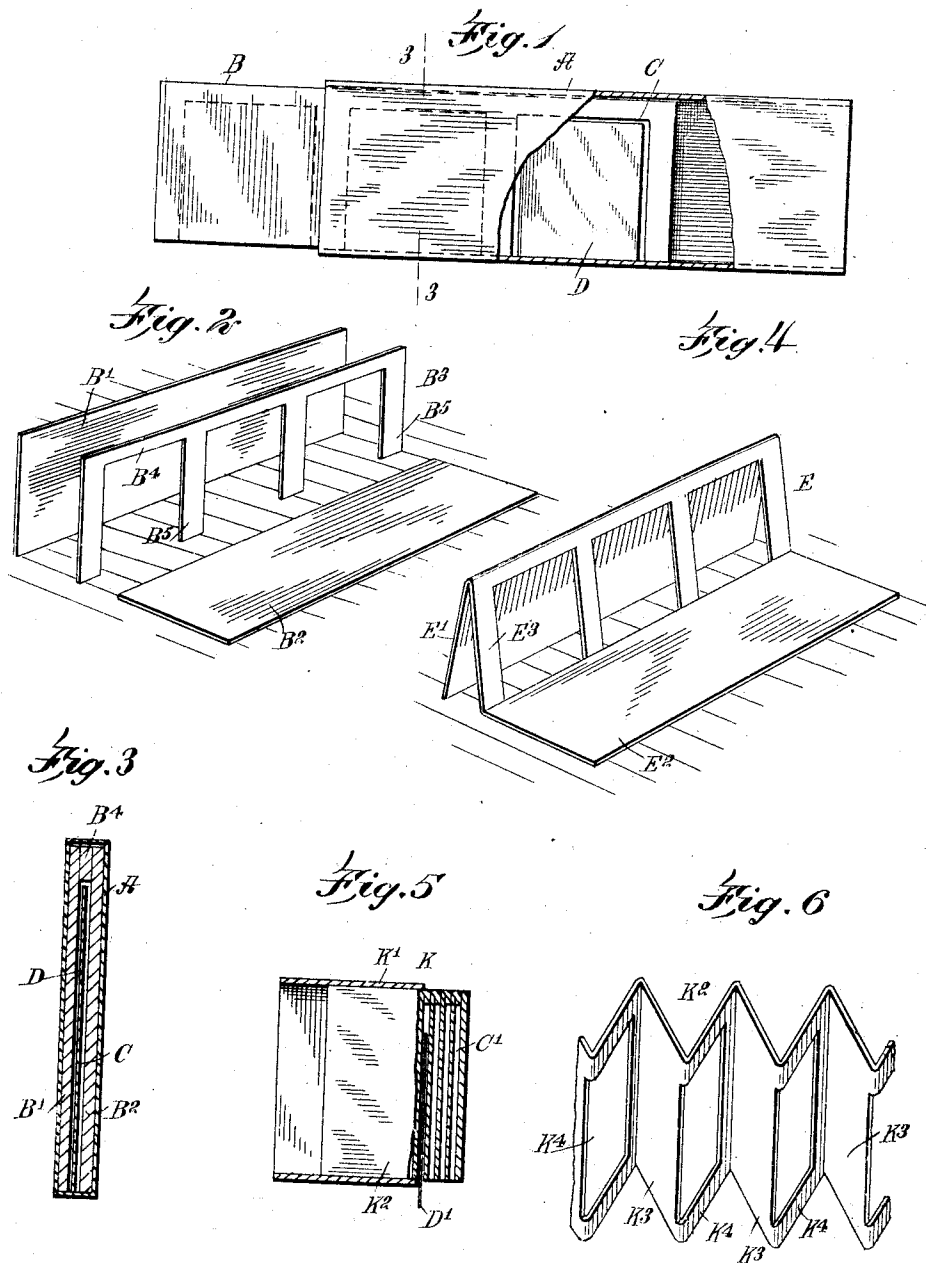


R. GOLDSTEIN.
MAGAZINE PLATE HOLDER.
APPLICATION FILED DEC. 10, 1909.

984,901.

Patented Feb. 21, 1911.



WITNESSES
V.D. Smith
Wm. H. Foster

INVENTOR
Robert Goldstein
BY *Munn & Co*
ATTORNEYS

UNITED STATES PATENT OFFICE.

ROBERT GOLDSTEIN, OF NEW YORK, N. Y.

MAGAZINE PLATE-HOLDER.

984,901.

Specification of Letters Patent. Patented Feb. 21, 1911.

Application filed December 10, 1909. Serial No. 532,363.

To all whom it may concern:

Be it known that I, ROBERT GOLDSTEIN, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Magazine Plate-Holder, of which the following is a full, clear, and exact description.

The invention relates to photographic plate holders such as are used in photographic cameras of the type shown and described in the application for Letters Patent of the United States, No. 510,394, filed by me July 30, 1909.

The object of the invention is to provide a new and improved photographic plate holder, which is simple and durable in construction, cheap to manufacture, and arranged to hold a plurality of sensitive plates without danger of the same becoming light struck, and to allow of conveniently transferring a sensitive plate from the plate holder to the camera above referred to. For the purpose mentioned, the plate holder is formed of two sides and an intermediate member, having cut out portions for forming individual chambers for the reception of the sensitive plates.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of a magazine plate holder, part being broken out and the holder being partly drawn out of the shell for discharging one of the sensitive photographic plates; Fig. 2 is a perspective view of the members for forming the holder; Fig. 3 is an enlarged cross section of the magazine plate holder on the line 3—3 of Fig. 1; Fig. 4 is a perspective view of a modified form of holder; Fig. 5 is a sectional side elevation of a modified form of magazine plate holder, the plate holder being partly withdrawn from the shell for discharging the sensitive plate; and Fig. 6 is a perspective view of the blank for forming the holder shown in Fig. 5.

The magazine plate holder illustrated in Figs. 1, 2 and 3, consists essentially of a shell A, open at one or both ends, and containing the plate holder B having spaced chambers C, each containing a sensitive plate D. The chambers C are open at the bottom, so that when the holder B is drawn out a distance

corresponding to the width of a chamber, as indicated in Fig. 1, then the sensitive plate D contained in this drawn out chamber can drop out of the same and into position in the camera, as more fully explained in the application for Letters Patent above referred to. The holder B is preferably formed of cardboard or a similar material, and consists essentially of three members, that is, the sides B', B² and the intermediate member B³, glued or otherwise fastened to the sides B', B². The intermediate member B³ is provided with a longitudinal bar B⁴, from which extend at right angles arms B⁵, thus providing cut out portions to form the chambers C whenever the three members are fastened together, as indicated in Figs. 1 and 3 and as above described.

In the modified form shown in Fig. 4, the holder E is formed of three members E', E², E³, cut from a single sheet of paper or other suitable material, the sheet being creased transversely to allow of folding the sheet with a view to form the side members E', E² and the intermediate cut out portion E³, so that when the three members are glued or otherwise fastened together they form the separate chambers for the reception of the sensitive plates.

The magazine plate holder so far shown and described is designed for use on the camera in a transverse direction, but when it is desired to use a plate holder in a longitudinal direction on a camera, then the construction is slightly varied, for instance, as shown in Figs. 5 and 6. In this case, the magazine K consists of a shell K' and a holder K², having the chambers C' for the sensitive plates D' arranged one in front of the other, each chamber being open at the bottom, so that when the chamber is moved into register with the entrance slot in the camera, then the sensitive plate D' of this registering chamber can drop through the entrance slot into the camera. The holder K² is preferably made of a single sheet of paper or a like material, creased to allow of folding the sheet as indicated in Fig. 6, alternate section K³ being solid, and the other sections K⁴ being cut out for forming the chambers C' for the reception of the plates D'. Thus by the arrangement described, the plate holders can be cheaply manufactured, and the said holders can be readily filled in a dark room and then slipped into the shell A or K', to be drawn out of the

same at the time the plate is to be transferred to the interior of the camera for exposure therein in the usual manner.

It is understood that when the holder B, E or K² is in position in the shell A or K', the openings of the chambers C, C' are closed by the bottom of the shell A or K', so that the sensitive plates contained in the chambers are not liable to become light struck.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A plate holder comprising a shell open at one end, and a holder slidable in the shell, said holder having a plurality of chambers, spaced apart from each other, each for containing a sensitive plate, the said chambers opening at the bottom of the holder, whereby when the holder is withdrawn from the case the plates may drop out from the chambers as the said chambers pass from out the holder.

2. A plate holder comprising a shell open at one end, and a holder slidable in the shell, said shell consisting of superposed sections,

the middle section having cut out portions, forming separate chambers with the outer sections, the said chambers opening at the bottom of the holder, for the purpose specified.

3. A plate holder comprising superposed sections, the middle sections having cut out portions forming separate chambers with the side sections, the said chambers opening at the bottom of the holders.

4. A plate holder comprising a shell, and a holder having a plurality of flat spaced chambers for containing plates, each chamber opening at one edge of the holder, the holder being slidable in the shell to permit the plates in the chambers to be dropped out in succession, as the open side of the chamber passes out of the shell.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT GOLDSTEIN.

Witnesses:

THEO. G. HOSTER,
PHILIP D. ROLLHAUS.