(No Model.)

E. B. BARKER.

PHOTOGRAPHIC SHIELD.

No. 273,008. Patented Feb. 27, 1883.

Fig. 1.

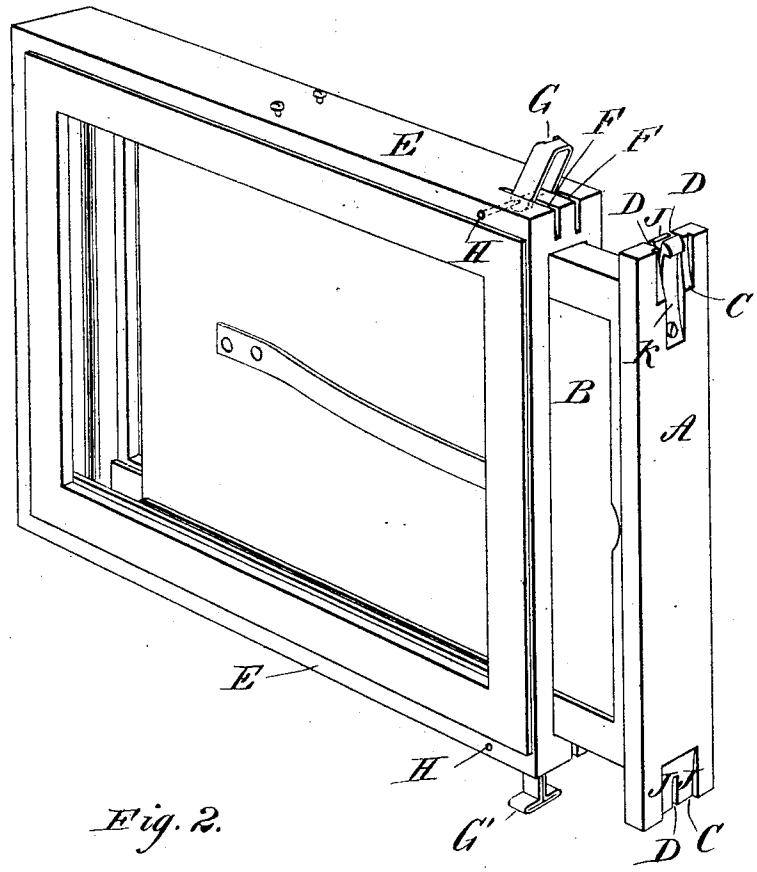


Fig. 2.

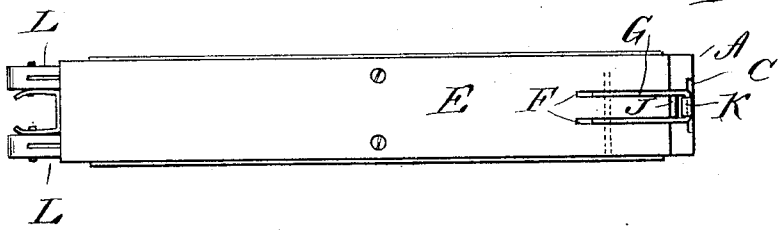
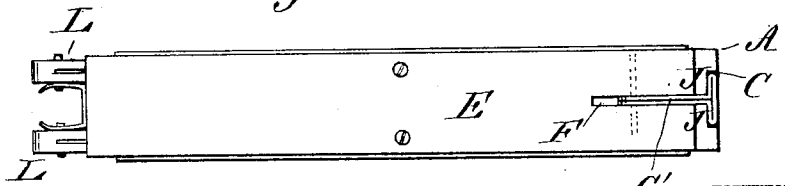


Fig. 3.



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UNITED STATES PATENT OFFICE.

ERASTUS B. BARKER, OF NEW YORK, N. Y., ASSIGNOR TO E. & H. T. ANTHONY & CO., OF SAME PLACE.

PHOTOGRAPHIC SHIELD.

SPECIFICATION forming part of Letters Patent No. 273,008, dated February 27, 1883.

Application filed December 6, 1882. (No model.)

To all whom it may concern:

Be it known that I, ERASTUS B. BARKER, of the city, county, and State of New York, have invented new and useful Improvements in Photographic Shields, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved device for holding and securing the end gate or end stop of a septum in the shield.

The invention consists in latches pivoted to the ends of the shield-frame, and adapted to swing within slots or slits in the ends of the said frame and in the ends of the end gate or end stop of the septum, whereby when the latches are swung within the slits in the end gate their heads rest on sunken tongues formed by the end recesses and slits in the end gate, and thus lock the septum in the shield.

The invention also consists in additional spring-catches secured on the end gate upon the said sunken tongues, over which spring-catches the heads of the latches may be passed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a photographic shield provided with two forms of my improved fastening for holding the septum in the shield, the septum being shown partly withdrawn from the shield. Fig. 2 is a plan view of the edge of the shield, showing one of my U-shaped or double-barred fastenings. Fig. 3 is a plan view of the opposite edge of the shield, showing a modified form of the fastening.

The end gate or stop, A, of the septum B is provided at each end with a recess, C, cut from the outer face to sufficient depth to receive the locking ends or heads of the fastenings. Slots D, cut in the gate A from each end inward, form sunken tongues or faces, over which the heads or fastenings G or G′ pass to lock the septum in the shield. These fastenings G G′ are pivoted at H in the ends of opposite sides, E, of the shield, to work in slots F, cut in the shield, to wholly receive the body portions of the fastenings. When the fastening G, of U form, is used, as in Figs. 1 and 2, two slots, F F, in the shield and two slots, D D, in the gate A are formed to accommodate the sides or body portion of this fastening, while its end or head portion passes over and outside of the sunken tongue J, to interlock therewith or with the hook-head of a spring, K, fitted in and flush with the outer face of the end gate. As will appear from Figs. 1 and 3, the fastening G′ is of T form, is fitted to work by its stem or body portion in one slot, F and D, in the shield and end gate, respectively, and locks by its head over the recessed faces J, and within the recess G, flush with or below the outer face of the end gate, to hold the septum in place. These fastenings G G′ are substantially similar in action and effect, and differ only in form, and in this respect but slightly, as the one G′ may easily be shaped from the one G by side and end pressures, which will close the sides together and flatten the head.

It will be understood that the springs K may be used with either fastening G or G′, or dispensed with altogether, as desired.

When the spring K is used with the fastening G′ the spring is to be narrowed and set so as to engage one side of G′; or, if preferred, two springs may be used, one upon each side of G′, one spring to engage each head.

The slides L are of the usual construction.

These improved fastenings are easily made and applied, and readily operated to lock and unlock the septum, and are adjusted to and in the parts to preserve a flush finish with the faces of both shield and septum for requisite adjustment to the camera.

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

1. In a photographic shield, swinging latches working in slots in the ends of the shield-frame and in the ends of the end gate, substantially as herein shown and described, and for the purpose set forth.

2. In a photographic shield, the construction of the end gate, having sunken tongues to receive the heads of swinging latches on the shield-frame, substantially as herein shown and described, and for the purpose set forth.

3. In a photographic shield, the combination, with the shield-frame and the end gate, of swinging latches adapted to lie flush with the sides of the frame and the end of the gate when the said parts are locked together, substantially as herein shown and described.

4. In a photographic shield, the spring-catch K and the tongues J, in combination with swinging latches on the shield-frame, substantially as herein shown and described, and for the purpose set forth.

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Witnesses:
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