

(No Model.)

G. SELLE.

PHOTOGRAPHIC PLATE HOLDER FOR THREE COLOR PROCESSES.

No. 604,268.

Patented May 17, 1898.

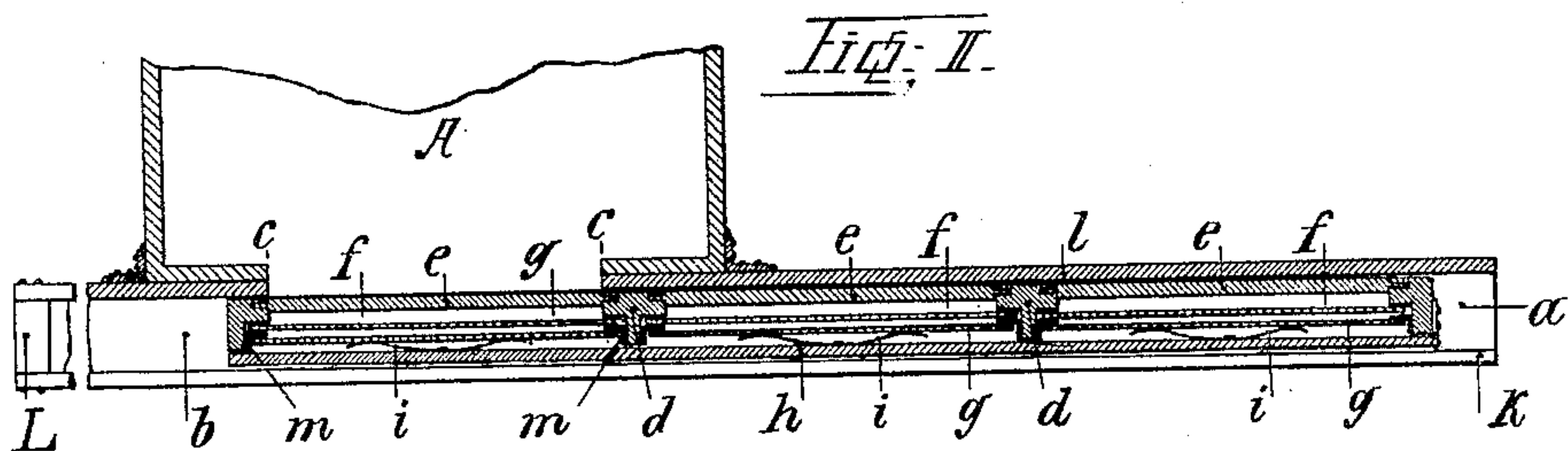
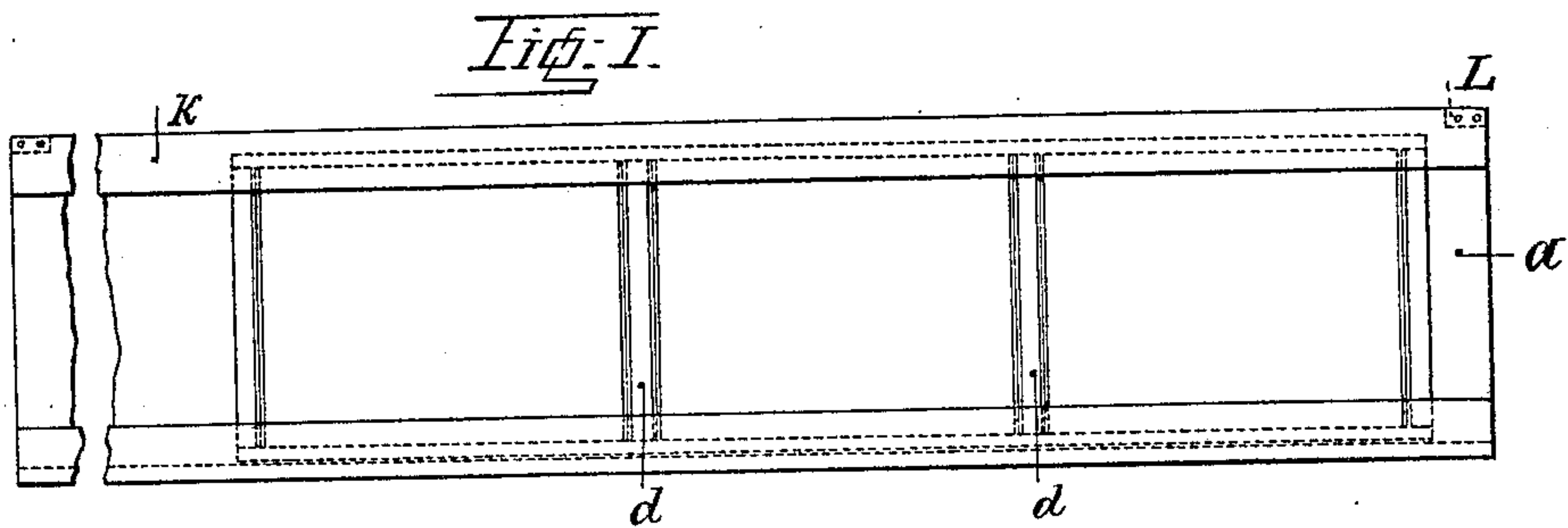


Fig. III.

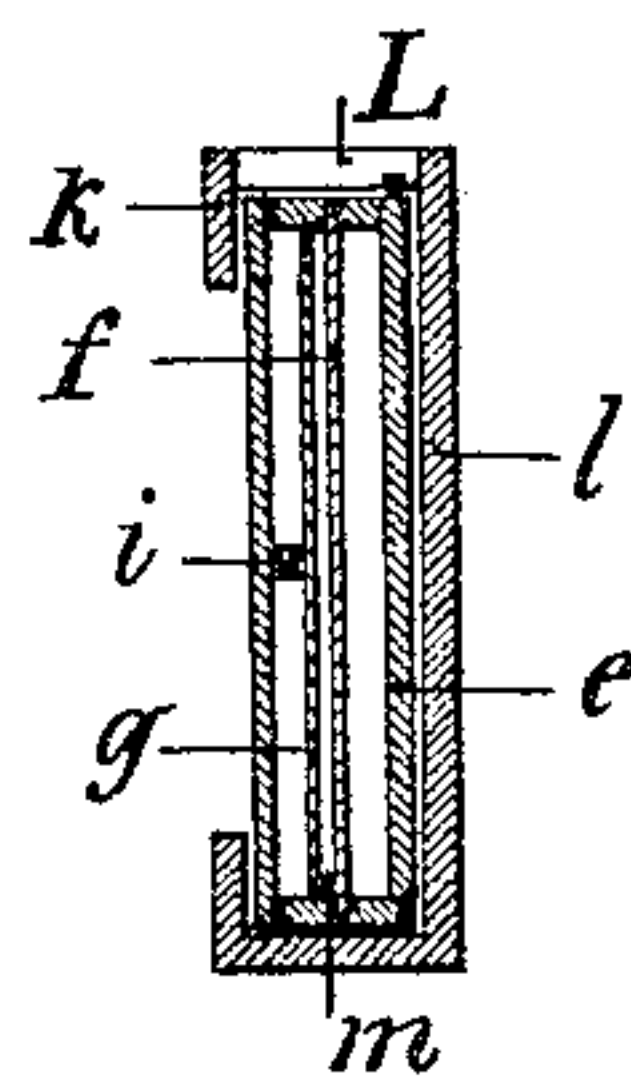
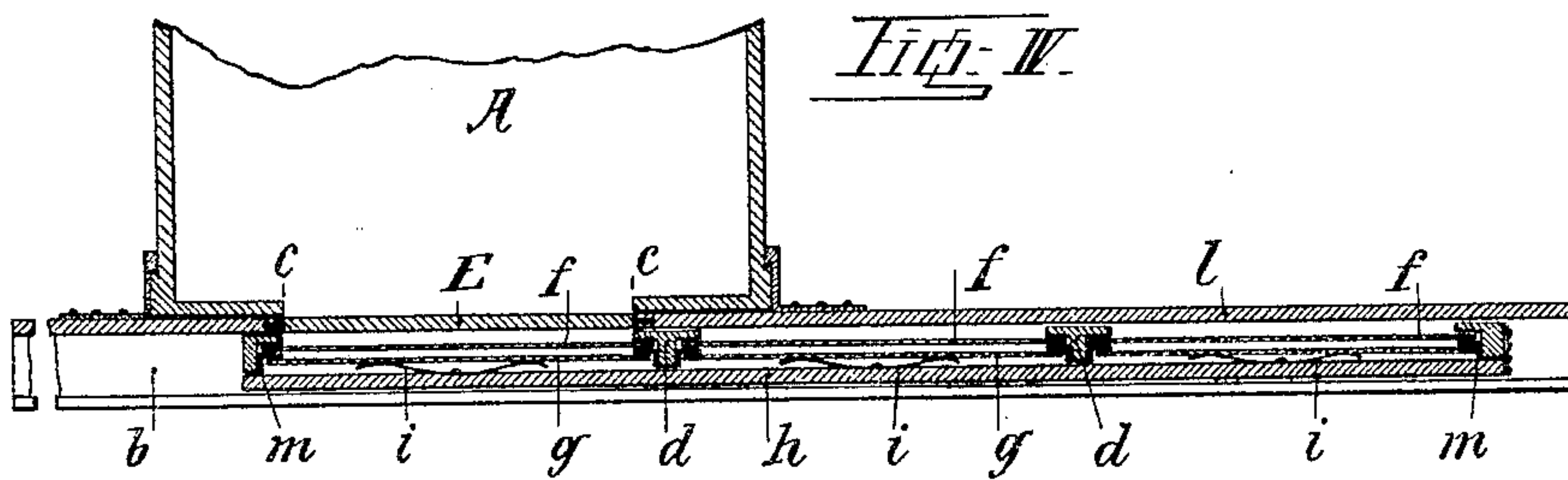


Fig. IV.



Witnesses:

*C. Schmidt Klein.*

*W. Kresser.*

Inventor:

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# UNITED STATES PATENT OFFICE.

GUSTAV SELLE, OF BRANDENBURG, GERMANY.

PHOTOGRAPHIC-PLATE HOLDER FOR THREE-COLOR PROCESSES.

SPECIFICATION forming part of Letters Patent No. 604,268, dated May 17, 1898.

Application filed May 27, 1897. Serial No. 638,472. (No model.)

*To all whom it may concern:*

Be it known that I, GUSTAV SELLE, a subject of the German Emperor, residing at Brandenburg-on-the-Havel, Germany, have invented certain new and useful improvements in photographic dark backs for successive exposures for the purposes of color photography, of which the following is a specification.

This invention relates to a multiplier dark back which is especially intended for receiving sensitive plates for the production of negatives for colored photographs. This case is distinguished from the usual multiplier-cases by light-filters being arranged before the plates, so that by simply displacing the case not only the plate but also the light-filter is changed. By means of the quick succession of photographs of the same object effected in this manner it is possible to take successive views of living beings without difficulty, suitable for the process of color photography. The arrangement of the light-filters closely before the sensitive plates in a multiplier dark back for the production of colored photographs has also the advantage that the different refraction of the variously-colored filters will no longer unfavorably influence the coincidence of the pictures when laid over one another.

In the annexed drawings is shown an example of such an apparatus by means of which such photographs can be produced.

Figure 1 is an elevation, and Fig. 2 a sectional plan, of such dark back. Fig. 3 is a cross-section on line 3 3, Fig. 2; and Fig. 4 is a sectional plan of a modification.

As Fig. 1 shows, the case *a* is divided into three parts and is displaceable in a guiding-frame *b*. The guiding-frame *b* can, as shown in Fig. 2, be connected permanently with the apparatus *A*, or, as shown in Fig. 4, it can be secured temporarily—for instance, by means of a groove and feather.

When the guiding-frame *b* is connected permanently with the apparatus, it is provided with a slot *c*, which can always remain open in order to give to the projected light access to the sensitive plates. The case *a* is divided

into three parts by means of bars *d*. Each of these parts has toward the apparatus a slide *e*, which can be conveniently pulled upward. Behind the slide *e* are the light-filters *f*, which, when necessary, will be preferably exchanged from above. Closely behind the filters *f* are the sensitive plates *g*, which are conveniently seated in metal angles *m* and can be taken out through a common door *h* and are pressed on the metal angles *m* by means of springs *i* when the door *h* has been closed.

The guiding-frame *b* is shown in Fig. 3 in cross-section. It is closed below, open above, and provided with a bar *k*, which prevents the dark back from falling out. The cross-bars *L* prevent the back from being pulled out while the slides *e* are pulled up, so that the latter must be closed under any circumstances before the back *a* is pulled out of the guiding-frame *b*.

To remove the case and the guiding-frame *b* together, as is shown in Fig. 4, it is only necessary to provide the opening *c* of the latter with a slide *E*. The single slides for each division can then be dispensed with, as the wall *l* of the framing *b*, lying toward the apparatus, closes the sensitive plates on the front. Otherwise the case is constructed in the same manner as that shown in Figs. 1, 2, and 3. The case can be slid forward during the three exposures by hand or automatically.

I claim as my invention—

A frame *b* and a case *a* movable longitudinally in said frame the said case having in the line of its movement three compartments divided by bars *d*, said bars having rabbets for receiving photographic sensitive plates and having slots in front of and parallel with said rabbets, in combination with three light-filters inserted in said slots, one in each compartment, substantially as and for the purpose described.

In witness whereof I have signed this specification in presence of two witnesses.

GUSTAV SELLE.

Witnesses:

HENRY HASPER,  
W. HAUPT.