A. BECK.

PHOTOGRAPHIC FILM.

APPLICATION FILED MAY 10, 1915.

1,258,523. Patented Mar. 5, 1918.

Fig. 1.

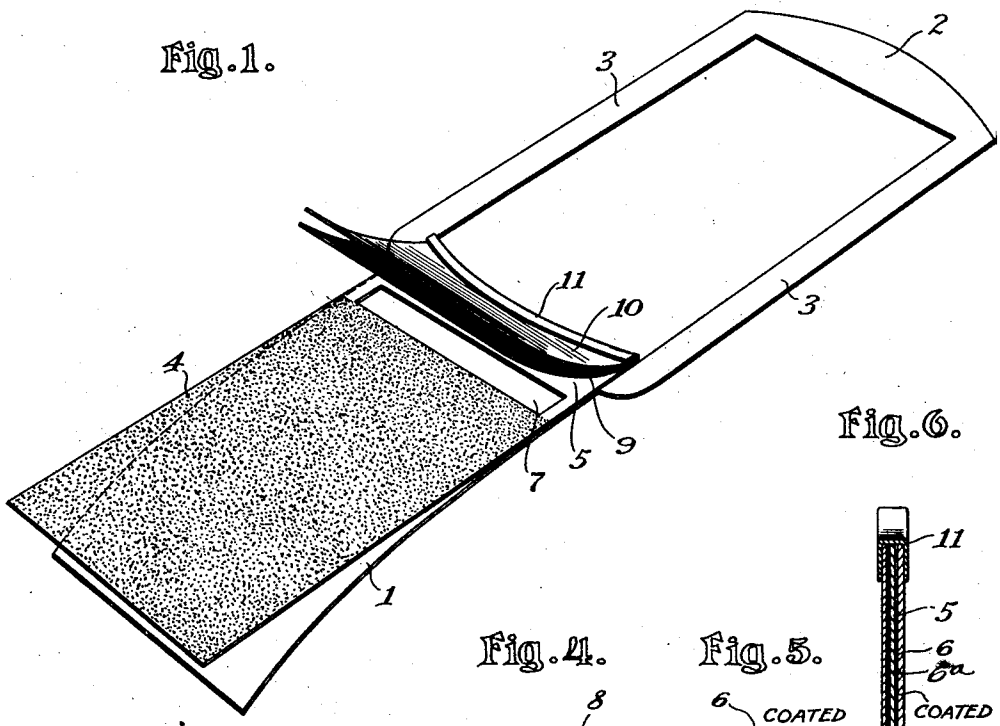


Fig. 6.

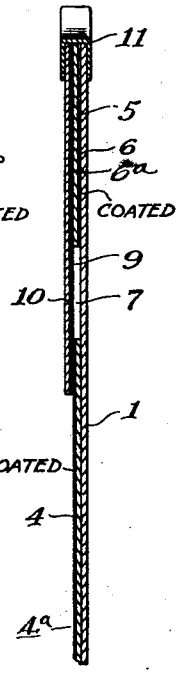


Fig. 4.

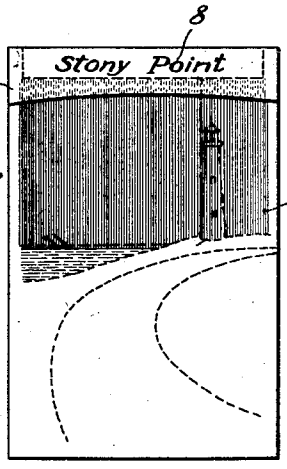


Fig. 5.

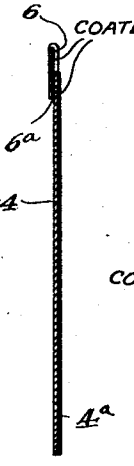


Fig. 2.

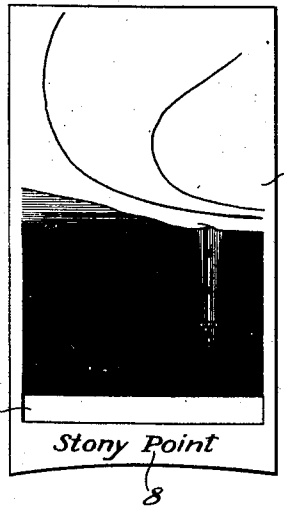
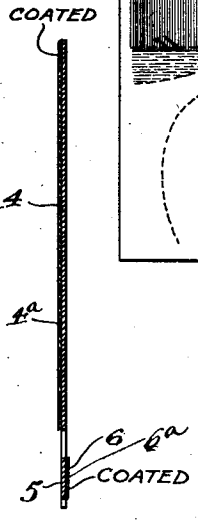


Fig. 3.



Inventor:

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by W. H. Simmons

his attorney

UNITED STATES PATENT OFFICE.

ALWIN BECK, OF ROCHESTER, NEW YORK, ASSIGNOR OF ONE-HALF TO HAROLD H. SIMMS, OF ROCHESTER, NEW YORK.

PHOTOGRAPHIC FILM.

1,258,523. Specification of Letters Patent. Patented Mar. 5, 1918.

Application filed May 10, 1915. Serial No. 27,000.

To all whom it may concern:

Be it known that I, ALWIN BECK, of Rochester, in the county of Monroe and the State of New York, have invented a new and useful Photographic Film, fully set forth in the following specification and shown in the accompanying drawings.

The present invention relates to photographic films, an object thereof being to provide a construction which will permit the making of identification marks on that face of the film opposite the backing sheet; and another object of the invention being to provide for making identification marks on those films which are held in what is known as "film packs," where the films are individually transferred from an exposure chamber to a storage or dark chamber.

To these and other ends the invention consists of certain parts and combinations of parts, all of which will be hereinafter described the novel features being pointed out in the appended claims.

In the drawings:—

Figure 1 is a perspective view of a film constructed in accordance with the present invention, showing the backing sheet arranged on one side thereof and the identification-producing means on the other side;

Fig. 2 is a view of the coated side of an exposed and developed film, showing the identifying portion in the position in which it is exposed;

Fig. 3 is a section through the film as shown in Fig. 2;

Fig. 4 is a view of the exposed and developed film from the uncoated side thereof, showing the identifying portion folded in a manner to have such identifying portion reproduced properly on a print made from the negative;

Fig. 5 is a section through the film as folded in Fig. 4; and

Fig. 6 is a sectional view through the film while the latter is mounted upon the backing sheet.

The film of the present invention is shown as mounted upon a backing sheet which is claimed broadly in an application filed by me on the 7th day of April, 1916, Serial No. 91,601, said application also illustrating and claiming a film pack in which the illustrated embodiment of my present invention is adapted to be used. It is understood, however, that the present invention is not limited to the use of the specific backing sheet herein shown, but claimed in my application #91,601, nor is this invention limited to the film pack disclosed in my aforesaid application #91,601.

Referring more particularly to the drawings, 1 indicates the backing sheet having a pulling tab 2 connected therewith by strips 3. Arranged on one side of this backing sheet is the film, the coated face 4^a of the exposure portion 4 of which is disposed away from the backing sheet 1. At one side of the exposure portion 4, the film is provided with an identifying portion 5 which preferably has a sensitized coating 6^a at 6 on that face of the film opposite the coated face 4. Preferably this identifying portion is connected to the main body of the film or exposure portion 4 by a weaker portion, produced, in this instance, by providing a slot 7 in the film. This slot also serves as a window through which the identifying matter 8 on the identifying portion 5 may be exposed for printing, without making it necessary to expose such identifying matter through the main or body portion 4 of the film, this being effected by bending the identifying portion 5 over the opening of the film at the weakened portion so that the identifying portion 5 will cover the opening 7, as shown in Figs. 4 and 5 of the drawing.

Any suitable means may be employed for exposing the identifying matter 8 upon the exposure portion 5. In this instance, the identification producing medium is in the form of a strip of carbon paper 9 secured on that side of the film opposite the backing sheet over the identifying portion 5 to one side of the exposure portion 4. Over this identification producing medium 9 a strip 10 of thin red paper may be arranged, so as to protect the carbon sheet 9, and the film may be secured together by a binding strip 11 which passes over the edges of said parts and secures the latter to the backing sheet 1. All of these parts may have their secured edges curved in order to facilitate the turning of the parts around the guide which is usually arranged between the exposure and the storage or dark chamber of a film pack.

In using the invention, the film with the backing sheet 1 lies within the usual exposure chamber, while the strips 3 are turned around the partition between the exposure

chamber and the dark or storage chamber. After an exposure is made the tab 2 is pulled, carrying the film and the backing sheet with the identification-producing means into the storage chamber of the film pack, the identification-producing means being brought beneath an opening provided in a film pack in the storage chamber, as set forth in my application #91601. The user then makes an inscription upon the strip 10 by means of a pencil or other pointed instrument, and this causes the breaking of the carbon paper 9 over the identification-producing portion 5, thus admitting light to the sensitized coating 6ª on said identifying portion 5 to expose the matter inscribed on the strip 10. When the film is developed, the inscription on the identifying portion 5 will not lie in such a position that it will read properly on a positive produced from the negative, and for this reason, the identifying portion 5 is bent or turned over the slot 7 in the manner shown in Figs. 4 and 5, thus permitting a direct reading reproduction of the identifying matter with the production of a positive picture from the negative, and permitting the coated side 6 of the identifying portion 5 to lie disposed in the same direction as the coated portion of the body portion of the film.

The identifying matter will appear in the finished print in white letters on a black background.

What I claim as my invention and desire to secure by Letters Patent is:—

1. A film for photographic cameras having an identifying portion at one end separated from the body of the film by weaker portions which permit the ready folding of the identifying portion onto the body portion.

2. A film for photographic cameras having an identifying portion separated from the body of the film by a slot and foldable over said slot.

3. In combination with film for photographic cameras, a strip of carbon paper secured over said film on the exposure side thereof and to one side of the field of exposure.

4. In com'bination with a film for photographic cameras, an identification producing medium in strip form secured over said film on the exposure side thereof and to one side of the field of exposure, and a strip of paper secured over said identification-producing medium.

5. In combination with a film, and a backing sheet secured on one side of the film, an identification-producing medium in strip form arranged on the other side of the film to one side of the field of exposure.

6. In combination with a film having one face thereof coated with sensitive material except near one end which is uncoated and provided with a slot between the coating and the uncoated portions, the film beyond said slot being coated on the opposite face, a backing sheet arranged on said opposite face, and an identification-producing medium in strip form secured over the uncoated portion on the first mentioned face of the film.

7. A film for photographic cameras having an exposure portion and an identifying portion, each provided with a sensitive coating, the coating for the exposure portion being on the opposite side of the film from that of the identifying portion.

8. A film for photographic cameras having an exposure portion and an identifying portion, each provided with a sensitive coating, the coating for the exposure portion being on the opposite side of the film from that of the identifying portion, said film being provided with a slot separating the exposure portion from the identifying portion.

9. In combination with a film for photographic cameras, a backing sheet for one face of the film, and an identification-producing medium in strip form arranged on the opposite face of the film.

ALWIN BECK.