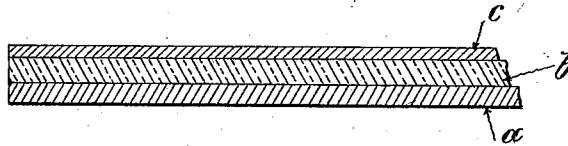


M. HANSEN.
FLEXIBLE PHOTOGRAPHIC PLATE OR FILM.
APPLICATION FILED FEB. 25, 1908.

928,914.

Patented July 20, 1909.



Witnesses:
Willy Hübsch.
Otto Ulrich

Inventor:
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UNITED STATES PATENT OFFICE.

MAX HANSEN, OF PARIS, FRANCE.

FLEXIBLE PHOTOGRAPHIC PLATE OR FILM.

No. 928,914.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed February 25, 1908. Serial No. 417,700.

To all whom it may concern:

Be it known that I, MAX HANSEN, a subject of the German Emperor, residing at Paris, in the Republic of France, have invented certain new and useful Improvements in Flexible Photographic Plates or Films, of which the following is a specification.

The subject of my invention is an improved flexible plate or film for photographic purposes, which in addition to being exceedingly durable and cheap to manufacture, is of such nature that the shadows cast in printing by the grain or structure of the material employed as support for the sensitive medium are caused to vanish, owing to dispersion of the light.

My invention is illustrated in the accompanying drawing, which shows an enlarged sectional view of a fragment of a negative film.

The transparent basis *a* may be of paper, fabric, or other suitable material. To this support I apply an optically glassy layer *b* consisting of a mass of dextrin, or some kind of glue, resin, varnish, or other similarly diaphanous substance. This hyalin layer serves to disperse the light in printing out, and in order that shadows due to the texture or grain of the support *a* may be effectually diffused, I find that the layer *b* should be of at least the same thickness as the base *a* which supports it. The sensitive material *c* is distributed over the intermediate layer *b*.

By means of my invention the disadvantages attending the use of prior paper or like

films, owing to the shadows arising in printing, are thus entirely obviated. At the same time the negatives given are free from halation.

The improved film is very essentially cheaper to manufacture than celluloid films, which moreover are objectionable on account of their inflammability and their great liability to destruction by chemical influences. My new film is also much superior to gelatin films, which owing to their fragility are altogether unsuitable for cinematographic purposes, and which are also apt to curl by reason of their hygroscopic character.

As compared with glass plates the improved film possesses the additional advantages of lightness and portability, without danger of fracture.

Having thus described my invention, I declare that what I claim as new is—

A pliable photographic plate or film, consisting of a basis of transparent flexible material, a sensitive medium supported thereby, and a hyalin layer interposed between said basis and sensitive medium, of such thickness as to cause shadows arising in printing out, owing to the structure of the basis, to be effectually diffused by dispersion of light, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

MAX HANSEN.

Witnesses:

DEAN B. MASON,
EMILE LEDERS.