No. 815,206. PATENTED MAR. 13, 1906.

J. C. F. NYSER.

PHOTOGRAPHIC PRINTING FRAME ATTACHMENT.

APPLICATION FILED JULY 6, 1905.

Fig. 1.

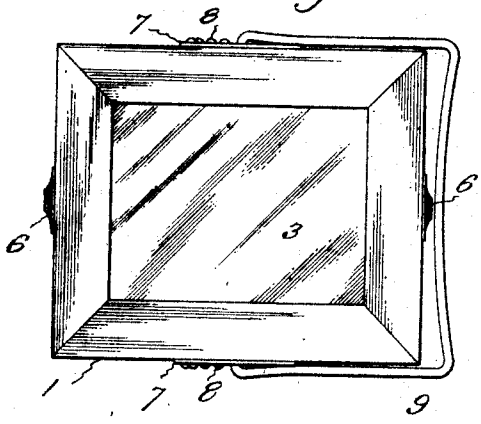


Fig. 2.

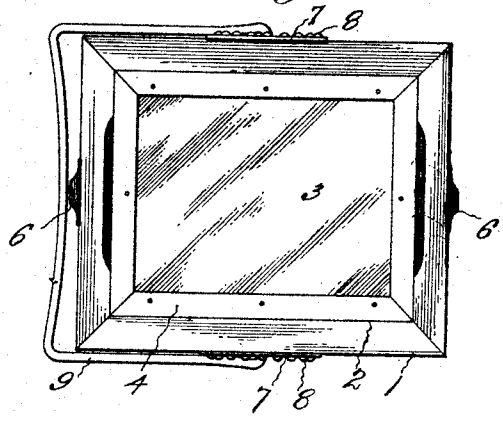


Fig. 3.

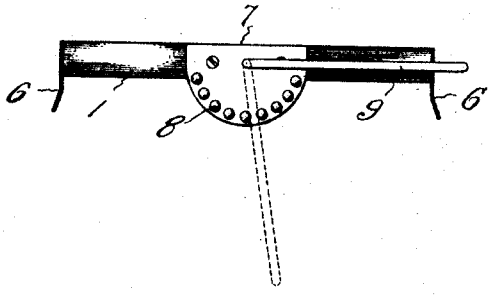


Fig. 4.

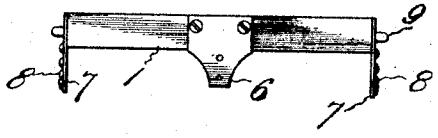


Fig. 5.

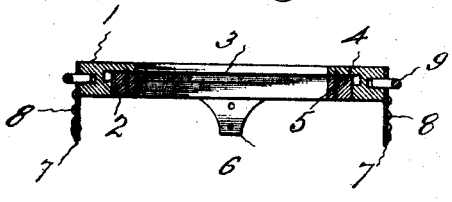
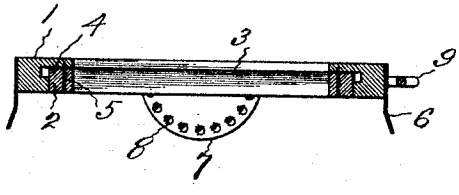


Fig. 6.



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UNITED STATES PATENT OFFICE.

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PHOTOGRAPHIC-PRINTING-FRAME ATTACHMENT.

No. 815,206. Specification of Letters Patent. Patented March 13, 1906.

Application filed July 6, 1905. Serial No. 268,488.

To all whom it may concern:

Be it known that I, JOHN C. F. NYSER, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented a new and useful Photographic-Printing-Frame Attachment, of which the following is a specification.

This invention relates to a mask, shading, or vignetting frame for use in connection with photographic-printing frames.

The object of the invention is to provide a simple and cheap frame of this character in which the desired mask or vignetter can be quickly placed and which can be readily applied to any of the ordinary commercial photographic-printing frames for screening the plate or film and also affording a convenient support for the printing-frame.

Figure 1 of the drawings shows a front view of this vignetting-frame. Fig. 2 shows a back view of the same. Fig. 3 shows a side view. Fig. 4 shows an end view. Fig. 5 shows a transverse section, and Fig. 6 shows a longitudinal section.

The main frame 1, which is preferably rectangular in outline, is usually formed of wood with a rabbet 2 around the inside edge. The desired masking or vignetting tissue 3 is placed across the front of the mask or tissue-holding frame 4, which then is forced down into the rabbet, which it closely fits, with the tissue tightly stretched. Sharpened pins 5 are usually provided to prevent the tissue from slipping over the holding-frame.

Secured to each end of the main frame and extending rearwardly is a plate 6. These plates are preferably formed of spring-brass and are fastened in place by screws. The rear ends of these plates are curved outward slightly, and they may be provided with perforations, so that they will snap over the end edges of the printing-frame and pins which may be applied to the printing-frame for assisting in holding the vignetting-frame in position.

Fastened to each side of the main frame is a semicircular plate 7, which is usually formed of brass and is desirably held in place by screws. These plates extend rearwardly, so as to fit the sides of the printing-frame to which the device is attached. A semicircular row of rounded bosses 8 are punched outwardly on each of these side plates.

The ends of a swinging bail 9 are thrust through these side plates, so as to pivot the bail to the vignetting-frame. This bail is preferably formed of spring-wire and is so shaped that it may be turned down into the plane of the vignetting-frame or may be turned at any angle thereto for the purpose of forming an easel-support for holding the vignetting-frame and also the printing-frame, to which the vignetting-frame is attached, at any desired plane with relation to the source of light employed for printing. The bosses which are punched from the side plates are, as stated, rounded, so that the bail will easily slip over them, and they are such distances apart that the bail lies between pairs of them when it is turned to the several positions which it may occupy, the elasticity of the bail allowing it to spring past the bosses and contract between them, so as to hold in the desired position.

This vignetting-frame is very simple and cheap to manufacture. It is light and small and can be readily applied to the ordinary printing-frames in common use. The end plates and side plates hold the vignetting-frame in place on a printing-frame in a firm manner, and the side plates not only assist in holding the frames together, but they provide a means for hinging the bail and also for holding the bail in any desired position, so that it may be used as an easel-support.

The invention claimed is—

1. A photographic-printing-frame attachment having a rabbeted frame, a mask-holding frame fitting the rabbeted frame, plates fastened to the ends of the rabbeted frame and extending rearwardly, plates fastened to the sides of the rabbeted frame and extending rearwardly, and a bail hinged to the side plates, substantially as specified.

2. A photographic-printing-frame attachment having a rabbeted frame, a mask-holding frame fitting the rabbeted frame, a plate extending rearwardly from each end of the rabbeted frame, a plate extending rearwardly from each side of the rabbeted frame, bosses extending outwardly from the side plates, and a spring-bail, hinged to the side

plates and adapted to snap over and between the bosses, substantially as specified.

3. A photographic-printing-frame attachment having a rabbeted frame, a mask-holding frame fitting the rabbeted frame, a perforated spring-plate extending rearwardly from each end of the rabbeted frame, a plate with bosses extending rearwardly from each side of the rabbeted frame, and a spring-bail pivoted to the side plates and adapted to snap over and between the several bosses, substantially as specified.

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