

S. S. LOEB.
HAND VIGNETTING DEVICE.
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1,043,327.

Patented Nov. 5, 1912.

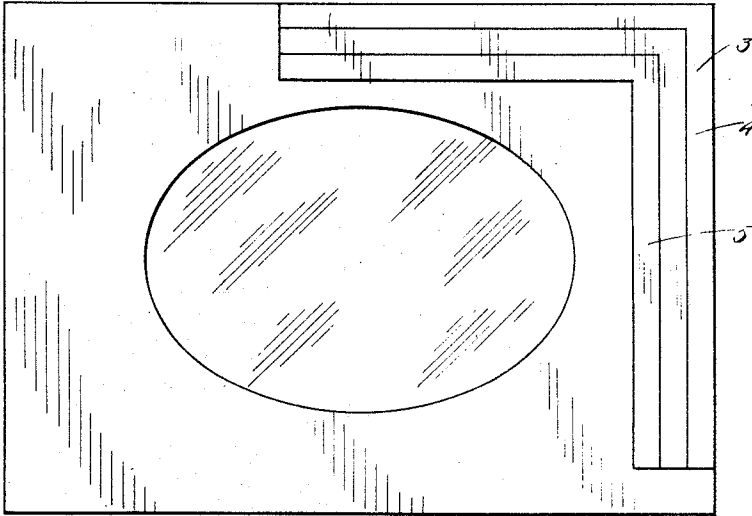


Fig. 1

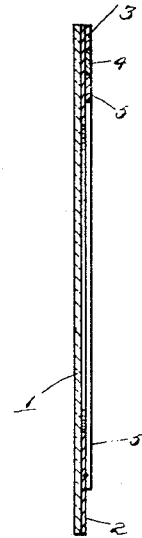


Fig. 2

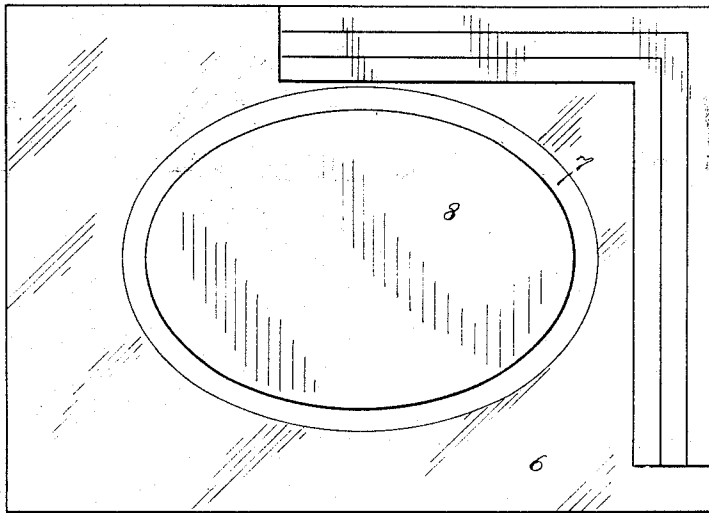


Fig. 3



Fig. 4

Witnesses
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HAND VIGNETTING DEVICE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SOLLY S. LOEB, citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Hand Vignetting Devices, of which the following is a specification.

This invention relates to improvements in hand vignetting devices and the leading object in view is the provision of a simple frame like device, such as a photo-printing frame used by amateurs or professionals, with means whereby the borders of the prints may be altered and modified in the course of printing as desired.

With the above and other objects in view the invention comprises certain combinations, constructions and arrangements of parts, clearly described in the following specification and clearly illustrated in the accompanying drawings, wherein,

Figure 1 is a plan view of one form of the vignetting device, Fig. 2 is vertical sectional view thereof, Fig. 3 is another plan view of another form of the device, and Fig. 4 is a sectional view thereof.

Referring to the accompanying drawings illustrating the invention 1 denotes the back of the frame and 2 the face thereof. The back 1 is made of clear transparent glass and the front or face 2 is made of suitable light proof paper, such as yellow or orange paper, and is cut-out at its center to form a window or opening through which the actinic rays may pass to the sensitized paper which is placed behind the back 1. On the face or mask 2 a right angular stop 3 is pasted or otherwise secured. This stop 3 is adapted to be engaged by removable stops 4 and 5, which are made slightly smaller in size than the stop 3, and with said stop 3 are adapted to vary the position of the printing paper relative to the window in the face or mask, when a sheet of said paper is positioned against the adjacent edges of the stop nearest the window.

In Figs. 3 and 4 a slight variation of the invention is shown, which consists of a back 6, of ground glass, and which back is provided with a window 7 formed by slightly polishing the face of the ground glass or grinding the central portion of the back with a finer grinder than that used in grind-

ing the outer portion of the back 6. Over the central portion of the back 6 an oval face 8 is positioned or pasted, this face being of lesser area than the window 7, so that the outer edges of the window will appear.

The face of the back 6 is provided with the stops 3, 4 and 5, arranged in like manner to the stops of the back 1, and for similar purposes.

When the device shown in Fig. 1 is used the light will pass through the center opening or window to the printing paper and when the device shown in Fig. 3 is used the light will pass through the back 6 outside of the central face 8, producing different effects from those produced directly through the window of the back 1. The device shown in Fig. 1 is used when portrait negatives, and like negatives are being printed, and the device shown in Fig. 3 is used when the borders of printing papers, or unprinted papers are to be finished to produce proper back ground effects.

Having described my invention I claim:—

1. The combination of a masked vignetting glass having a stop positioned on the outer surface of said device.

2. The combination of a masked vignetting glass having a stop positioned on the outer surface of said device, said stop having arms formed at right angles to one another.

3. In combination with a masked vignetting glass composed of ground glass and provided with a central window offering less resistance to the passage of light than the body of the glass, a fixed stop on one of the corners of the glass, and removable stops of smaller size than the fixed stop nested within the fixed stop, all of said stops consisting of arms at right angles to one another.

4. The combination of a masked vignetting glass having a stop positioned thereon, said stop having arms formed at right angles to one another, and removable stops nested within said first stop.

5. The combination of a masked vignetting glass having a stop positioned thereon, said stop having arms formed at right angles to one another, removable stops nested within said first stop, said removable stops being formed similar to said first stop.

6. The combination of a masked vignetting

ting glass having a stop positioned thereon,
said stop having arms formed at right
angles to one another, removable stops
mounted within said first stop, said remov-
5 able stops being formed similar to said first
stop, said first stop being fixed near one
corner of said glass.

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

SOL. S. LOEB.

Witnesses:

B. F. RICHARDS,
SAMUEL MIDDLETON.