

E. H. RINGER.
ADJUSTABLE CLAMP FOR PICTURE FRAMES.
APPLICATION FILED SEPT. 6, 1911.

1,059,764.

Patented Apr. 22, 1913.

FIG. 1

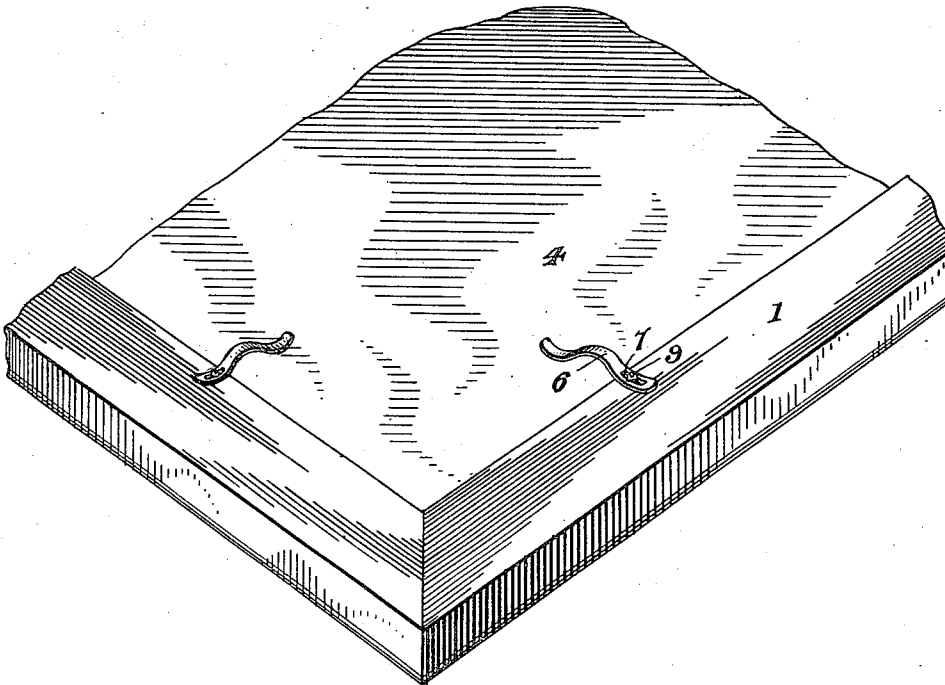


FIG. 2

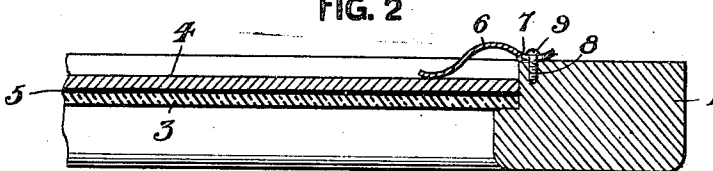
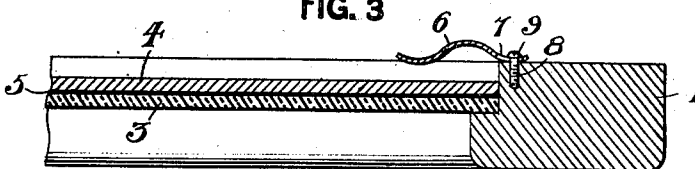


FIG. 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

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ADJUSTABLE CLAMP FOR PICTURE-FRAMES.

1,059,764.

Specification of Letters Patent.

Patented Apr. 22, 1913.

Application filed September 6, 1911. Serial No. 647,813.

To all whom it may concern:

Be it known that I, EDWARD H. RINGER, a citizen of the United States of America, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Adjustable Clamps for Picture-Frames, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to an adjustable clamp for picture frames, and the primary object of my invention is to provide a clamping device that can be easily attached to a frame for retaining pictures, mirrors and panels, together with their backings, in the frame, irrespective of small differences in the thickness of the picture and panel, or backing.

Another object of this invention is to provide a frame with longitudinal shiftable clamps or clips that can be easily sprung into position and as readily released, the use of the clamp obviating the necessity of injuring the frame by repeatedly driving fastening means into the frame.

A further object of this invention is to provide resilient clips that are inexpensive to manufacture and easy to manipulate for the purpose for which they are intended.

I attain the above objects by a mechanical construction that will be hereinafter more specifically described and then claimed.

Reference will now be had to the drawing, wherein—

Figure 1 is a perspective view of a portion of the frame provided with the clamps or clips; Fig. 2 is a longitudinal sectional view of a portion of the frame showing one of the clips in a locked position, and Fig. 3 is a similar view showing the clip in an unlocked position.

The reference numeral 1 denotes a frame of the ordinary and well known type, which is chamfered or grooved, as at 2, to receive a picture, panel or mirror which has been illustrated by way of an example as a transparent plate 3, having a backing 4, between which there is interposed a picture 5.

Movably arranged upon the rear side of the frame 1, are a plurality of resilient

clips 6 and a sufficient number of these clips are employed to firmly retain the backing 4 within the frame 1 and against the picture 5. The clips 6 are made of light or durable resilient metal bent upon a compound curve with the outer ends thereof longitudinally slotted, as at 7, to provide clearance for screws 8 or other fastening means employed for retaining the clips in engagement with the frame. The head 9 of the screw engages the upper surface of the clip, and the curvature of the clip adjacent to the head 9 is sufficient to hold the clip in two positions. When the clip is pushed inwardly, thereby placing the outer end of the slot in proximity to the screw 8, the inner end of the clip is retained in an elevated position. To place the clip in engagement with the backing 4, it is only necessary to push outwardly upon the clip. The curvature of the clip causes the inner end thereof to be lowered into engagement with the backing 4, and the greater effort in pushing the clip outwardly, the greater the pressure brought to bear upon the backing 4 by the clip.

It is obvious that the clip can be easily adjusted and when in an unlocked position it can be swung in a horizontal plane, should it be necessary, when placing the picture, panel or backing in position.

What I claim is:

The combination with a recessed frame for supporting a picture and backing, of a plurality of resilient clips, each including an arcuate intermediate portion and a pair of curved end portions, the end portions being reversely curved with respect to the intermediate portion, each of said outer end portions provided with a longitudinal slot extending from the inner terminus of said outer end portion to a point in proximity to the outer terminus of said outer end portion, said inner end portion being imperforate and engaging the backing for maintaining it in the frame, and headed screws extending through the slotted end portions and carried by said frame and capable of bearing upon the upper surfaces of the said slotted end portion for returning said clips in an adjusted position, the curvature of said clips in connection with the heads of said

screws providing means for maintaining the inner end portions of the clips in an elevated position out of engagement with the backing when the clips are moved inwardly and in engagement with the backing when moved outwardly.

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

EDWARD H. RINGER.

Witnesses:

MAX H. SROLOVITZ,
CHRISTINA T. HOOD.