

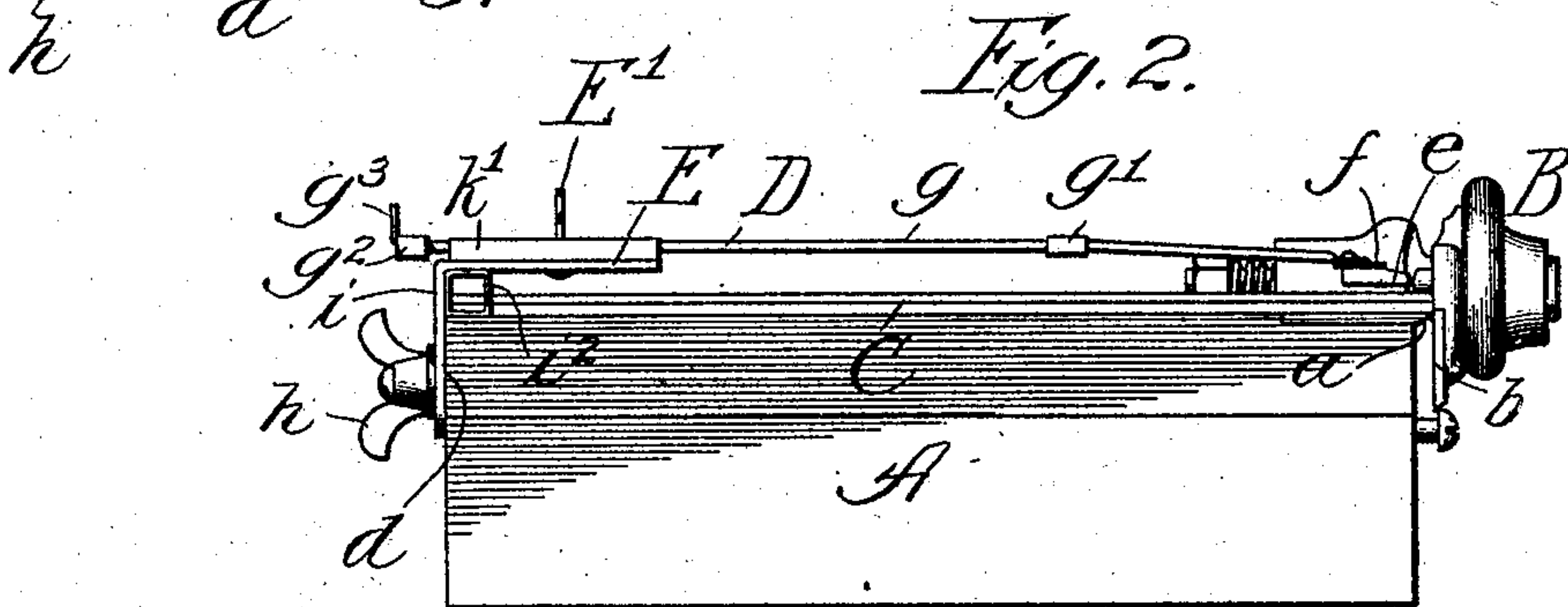
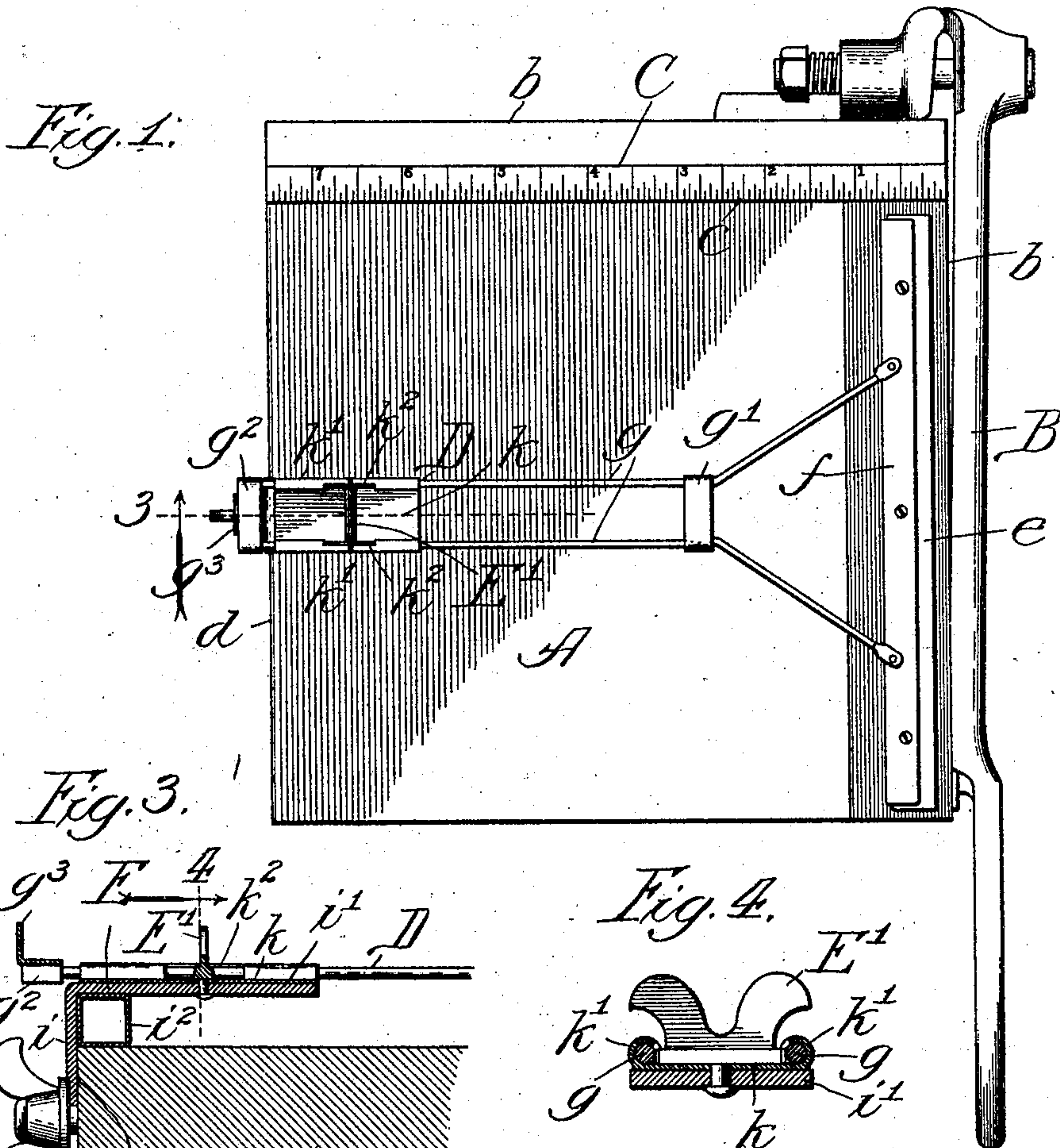
No. 806,424.

PATENTED DEC. 5, 1905.

A. G. MCGREGOR.

APPARATUS FOR TRIMMING PHOTOGRAPHIC PRINTS.

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UNITED STATES PATENT OFFICE.

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APPARATUS FOR TRIMMING PHOTOGRAPHIC PRINTS.

No. 806,424.

Specification of Letters Patent.

Patented Dec. 5, 1905.

Application filed July 31, 1905. Serial No. 272,129.

To all whom it may concern:

Be it known that I, ALBERT G. MCGREGOR, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Apparatus for Trimming Photographic Prints, of which the following is a specification.

My object is to provide a shearing device of simple and improved construction, adapting it for ready and convenient use in trimming photographic prints quickly and with great accuracy.

In the accompanying drawings, Figure 1 shows a plan view of the device as I prefer to construct it; Fig. 2, a side elevation of the device; Fig. 3, an enlarged broken section taken on line 3 in Fig. 1, and Fig. 4 a further enlarged section taken on line 4 in Fig. 3 and showing clamping means.

A is a base having a flat upper face and provided with a metal cutting or shearing edge *a*. A shearing-knife B of well-known construction is fastened pivotally against the side *b* of the base to shear accurately across the edge *a*, and on the upper face of the base adjacent to the side *b* is a scale C, which may present a straight shoulder *c* at a right angle to the edge *a*.

D is a slidingly adjustable and depressible paper clamping and guiding frame having a straight edge portion *e*, formed, preferably, of a strip of transparent material, such as celluloid. The strip *e* is fastened against a metal backing-strip *f*, supported by a spring-metal arm *g*, which may, as shown, consist of parallel wires flaring at their end portions to the strip *f*. The parallel wires are fastened where they commence to flare apart by a clip *g'*, and their opposite ends are fastened together by a clip *g''*, having an upwardly-projecting shoulder *g'''*. Removably secured by a thumb-screw *h* to the edge *d* of the base is a support E for the frame D. The support consists of a strip of stiff metal bent to a right angle between its ends to form a vertical leg *i* and horizontal arm *i'*. Secured to the corner of the strip is a short rectangular reinforcing-tube *i''*. On the arm *i'* and fastened rigidly thereto is a longitudinally-extending clip *k*, having beaded edges *k'*, forming parallel guides for the wires *g*, which pass through them, as shown. The beads are cut away between their ends to form recesses *k''*, at which the wires *g* are exposed. A thumb-piece E', forming a wire-spreading cam, is

swiveled upon the arm *i'* between the recesses *k''*.

The leg *i* is bifurcated to slip over the shank of the thumb-screw *h*. The support E carries the frame D, and it is applied to the base by passing it over the shank of the thumb-screw until its part *i''* rests against the base and is fastened removably in place by means of the thumb-screw. This causes the frame D to extend over and out of contact with the surface of the base, with its edge *e* parallel with the shearing edge *a*. The frame D may be slid longitudinally on the support E to position its edge *e* with relation to the edge *a* and clamped in adjusted position by turning the thumb-piece E', which spreads the wires *g* and clamps them in the beads. Thus the edge *e* may be adjusted along the scale C to present the width of margin desired for the photographic print. To trim the print, it is passed under the frame D until the edge of the picture is positioned beneath the edge *e*, whereby when sheared off by the knife B the desired margin is left. During the shearing operation the print is held by pressure exerted by the operator upon the strip *f*, thereby clamping the print firmly in adjusted position upon the base.

Forming the edge portion *e* of the clamping-frame of transparent material, as described, facilitates positioning the print for trimming, and the operation of placing the print in position, clamping it by means of the frame D, and shearing off the edges may thus be performed very quickly and accurately. The shoulder *g'''* forms a handle to be grasped between the fingers in sliding the frame back and forth, and the clip *g''* prevents movement of the edge portion *e* into the path of the shearing-knife.

Constructed as described, the frame D and support E are very light, strong, and durable, as well as economical to manufacture.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a photographic-print-trimming apparatus, the combination with the base, having a cutting edge, and shearing-knife on the base, of an adjustable normally raised and depressible spring clamping-frame for the print having an edge, parallel with the said cutting edge, forming a positioning-guide for the print.

2. In a photographic-print-trimming apparatus, the combination with the base, having a cutting edge, and shearing-knife on the

base, of an adjustable normally raised and depressible spring clamping-frame for the print carrying a transparent end strip having an edge, parallel with the said cutting edge, and forming a positioning-guide for the print.

3. In a photographic-print-trimming apparatus, the combination with the base, having a cutting edge, and shearing-knife on the base, of a support removably fastened to the base, and a normally raised and depressible spring clamping-frame for the print slidably mounted on the support and having an edge, parallel with the said cutting edge, forming a positioning-guide for the print.

4. In a photographic-print-trimming apparatus, the combination with the base, having a cutting edge, and a shearing-knife on the base, of a slidably-adjustable normally raised and depressible spring clamping-frame

for the print having an edge, parallel with the said cutting edge, forming a positioning-guide for the print, and means for clamping the said frame in adjusted position.

5. In a photographic-print-trimming apparatus, the combination with the base, having a cutting edge, and a shearing-knife on the base, of a slidably-adjustable normally raised and depressible spring clamping-frame for the print having an edge, parallel with the said cutting edge, forming a positioning-guide for the print, and a scale on the base extending at a right angle to the said cutting edge with reference to which the frame is adjusted.

ALBERT G. MCGREGOR.

In presence of—

THOMAS B. MCGREGOR,
ELLSWORTH E. FLORA.