(No Model.)

J. W. SHEA.

MOVABLE ARM REST FOR WRITING PURPOSES.

No. 520,711. Patented May 29, 1894.

Fig. 1.

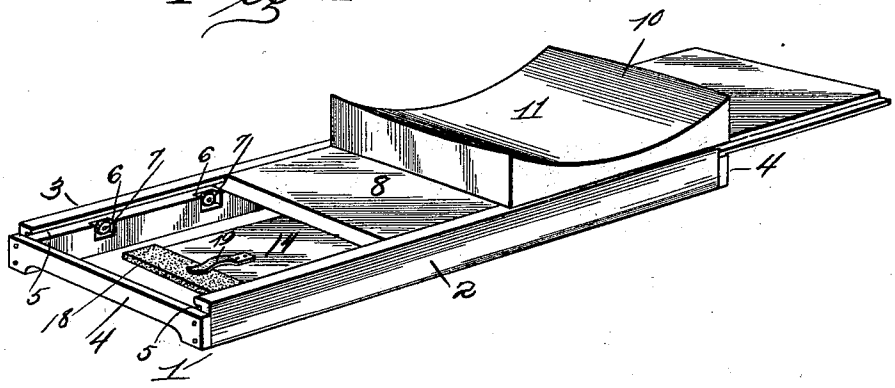


Fig. 2.

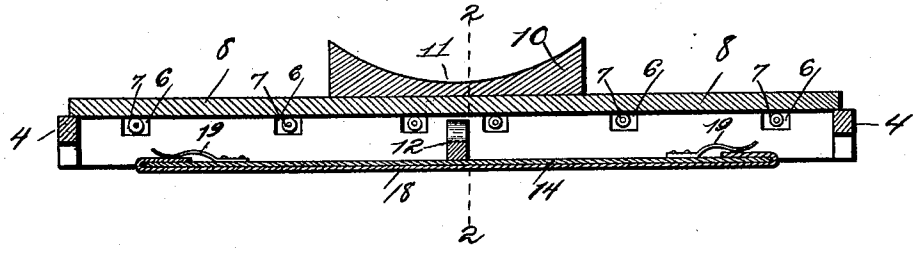
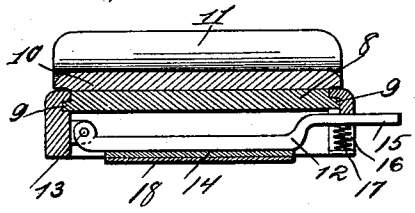


Fig. 3.



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MOVABLE ARM-REST FOR WRITING PURPOSES.

SPECIFICATION forming part of Letters Patent No. 520,711, dated May 29, 1894.

Application filed December 26, 1893. Serial No. 494,764. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. SHEA, of the city of Covington, Kenton county, and State of Kentucky, have invented certain new and useful Improvements in Movable Arm-Rests for Writing Purposes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to an improved movable arm rest for writing purposes, and consists in the novel construction, combination and arrangement of parts hereinafter described and designated in the claims and illustrated in the accompanying drawings.

The object of my invention is to construct a device for supporting the arm when in a writing position.

In the drawings: Figure 1 is a perspective view of the improved arm rest. Fig. 2 is a vertical longitudinal section of the improved arm rest and Fig. 3 is a vertical transverse section taken on the line 2—2 of Fig. 2.

Referring to the drawings: 1 indicates the base which is constructed of two side bars 2 and 3, which are rectangular in cross-section, and placed a suitable distance apart and held together at each end by a cross-bar 4, said cross-bars being a suitable amount shorter than the side-bars so as to form a rectangular figure in plan view. Formed in the inner side of each of the side-bars 2 and 3, adjacent the upper edges thereof, is a longitudinal groove 5. Formed in the inner side of each of the side-bars 2 and 3 is a series of cut-out portions 6, which are of the same depth as the groove 5, and the upper ends of said cut-out portions open into said groove, and in each of these cut-out portions is located an anti-friction roller 7 in such a position that the face of said roller will project a little above the lower edge of the groove so that when a slide is placed in said groove, it will come in contact with said rollers. The end-bars 4 are not as wide as the side-bars, and their upper edges are in alignment with the lower edge of the groove 5 formed in the side-bars, so that the slide placed in said grooves can readily pass over the end-bars.

8 indicates the slide which is provided with a tongue 9 on each edge, and said slide is of suitable width for the tongues to engage the grooves 5 in the side-bars and rest upon the anti-friction rollers 7. Said slide fitting loosely in the base and resting upon the anti-friction rollers, it can readily be reciprocated in said base. Connected to the upper side of the slide 8 about half way intermediate the ends of said slide, is a block 10, which is formed with a segmental depression 11 in its upper side so that the arm of a person can be supported by said block in the position the arm assumes when writing or figuring.

12 indicates a lever, which is placed between the side-bars 2 and 3 about half way intermediate their ends, and one end of said lever is fulcrumed to suitable ears at 13. Said lever is of such a shape that when a strip, such as 14, is connected to the lower edge, the lower edge of said strip will be in alignment with the lower side of the base 1 when the lever is in its normal position, as shown in Figs. 2 and 3. The lever extends transversely of the base 1, and is provided at its free end with an upwardly and outwardly projection 15, which projects through a vertical elongated opening 16 formed in the side-bar 3, and a coil spring 17 is located in said opening between the lower edge of the projection 15 of the lever 12 and the lower end of the opening 16, said spring being for the purpose of holding the lever in its normal position, as shown in Fig. 3. The projection 15 of the lever 12 is to be engaged by the thumb for pushing the lever and the strip which said lever carries, down below the lower edge of the base, so blotting paper 18, which said strip carries, can be readily brought in contact with the surface of the paper, as required for blotting. The spring 17 will push the lever and its connections back to their normal position, as shown in Fig. 3, immediately upon the projection 15 being released by the thumb of the hand. The blotting paper 18 is detachably connected to the strip 14 by being made a suitable amount longer than said strip, so that its ends will double over the ends of the strip, and one end of a spring-clasp 19 is connected to the upper side of said strip adjacent each end in such a manner that the free end will clamp the end of the blotting paper when it is placed between said clamp and the upper side of the strip, and thus hold said blotting paper in the required

position. The block 10 being connected to the slide 8, as hereinbefore described, when the arm is placed upon said block and moved across the paper as required for writing, the slide will move on the anti-friction rollers in the base 1, and thus take the friction of the arm upon the surface of the desk off, and also act as a support for the arm, the rest being placed about parallel with the line upon which the writing is done.

What I claim is—

1. The improved arm rest for writing purposes, comprising a base having side-bars, grooves formed in said side-bars, a slide having a tongue on each edge located in said grooves, and a block having a concaved upper face connected to said slide to be engaged by the arm, substantially as set forth.

2. In a movable arm rest for writing purposes, side-bars having grooves formed therein, a series of cut-out portions formed in said sides and opening into said grooves, an anti-friction roller located in each of said cut-out portions, and a slide having a tongue on each edge located in said grooves and resting on said anti-friction rollers, and a block having a concaved upper face connected to said slide, substantially as set forth.

3. The improved arm rest for writing purposes, comprising a suitable base, blotting paper connected to said base, a slide mounted in said base in such a manner that it can slide longitudinally thereon, and a block connected to said slide and provided with a concaved upper face adapted to be engaged by the arm, all arranged and combined to operate in the manner herein set forth.

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

JOHN W. SHEA.

Witnesses:
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