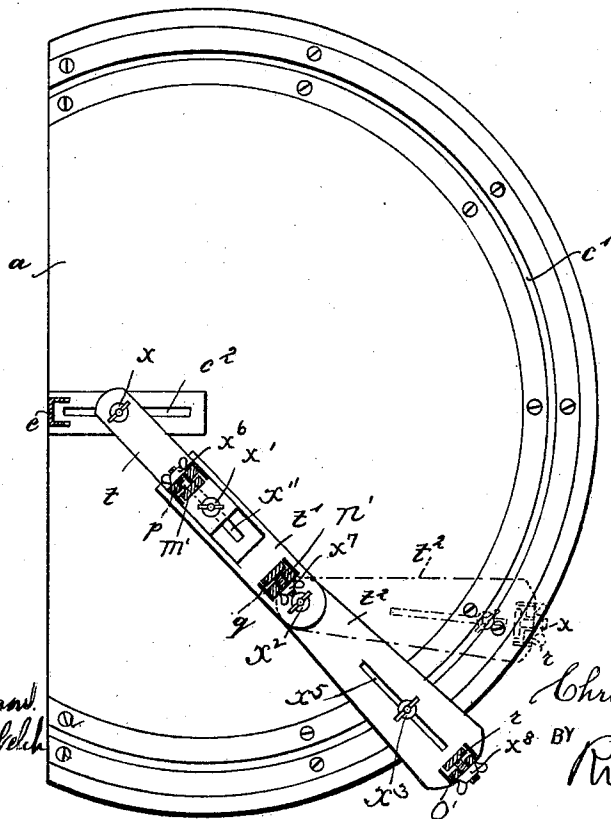
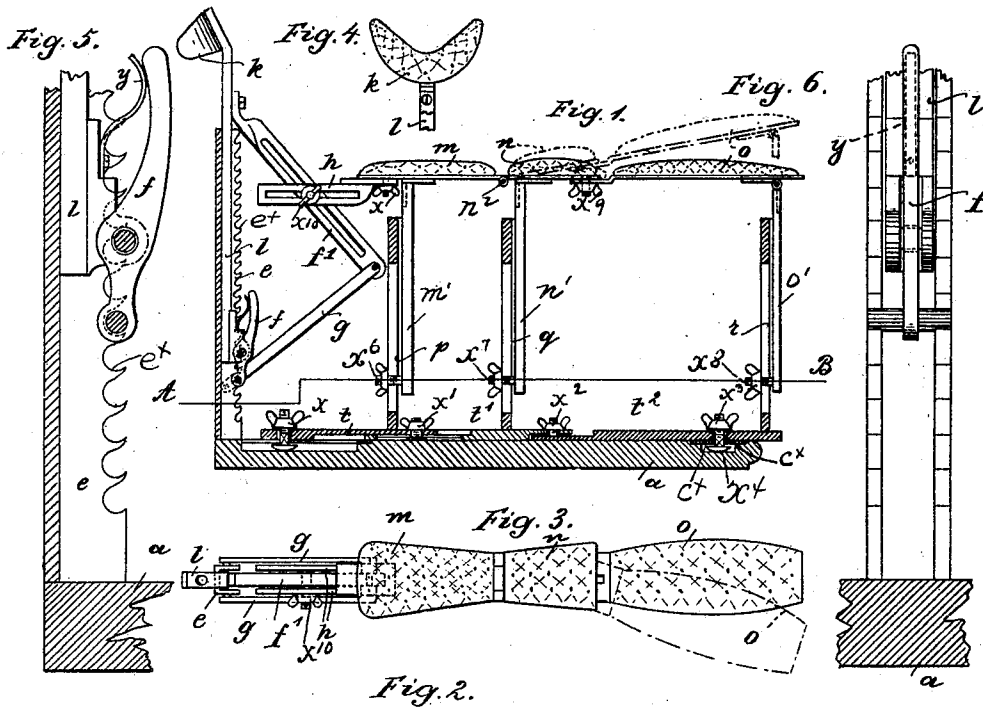


No. 711,550.

Patented Oct. 21, 1902.

C. ZIBULSKI.
ADJUSTABLE ARM REST.
(Application filed Mar. 16, 1900.)

(No Model.)



WITNESSES:
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UNITED STATES PATENT OFFICE.

CHRISTINE ZIBULSKI, OF MUNICH, GERMANY.

ADJUSTABLE ARM-REST.

SPECIFICATION forming part of Letters Patent No. 711,550, dated October 21, 1902.

Application filed March 16, 1900. Serial No. 9,002. (No model.)

To all whom it may concern:

Be it known that I, CHRISTINE ZIBULSKI, widow, *née* ARNOLD, a subject of the Emperor of Germany, residing at Munich, in the Kingdom of Bavaria, Germany, have invented certain new and useful Improvements in Adjustable Arm-Rests, of which the following is a full, clear, and exact description.

My invention relates to means whereby in operating upon or treating the arm of the human body a support may be furnished which is adjustable to suit all the different positions in which the physician may find it necessary to have the arm fixed; and my invention consists in the features and combinations of parts hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 represents a vertical sectional view of the apparatus with parts in elevation. Fig. 2 is a plan view of a section on the line A B of Fig. 1. Fig. 3 is a detail plan view of a supporting-arm and attached devices. Fig. 4 is a detail view of the arm-rest. Fig. 5 is a detail view, partly in section, of a detail part of the mechanism. Fig. 6 is a front view, partly in section, of Fig. 5.

The apparatus is supported upon a plate *a*. At one end of this plate is located a vertically-channeled support *e*, the edges of which are toothed, as at *e^x* in Figs. 1 to 5. An arm *l* is adapted to slide vertically in this guideway and may be supported at any desired height by a catch-lever *f*, having a pin to engage the teeth *e^x*, said catch-lever being pressed normally into engagement with the teeth of the channeled bar by a spring *y*. The bar *l* carries at its upper end a shoulder-rest *k*. The base-plate *a* is provided with a curved channel *c¹*, forming a segment of a circle, and it is also provided with a channel or slot *c²*, radiating from the center from which the slot or channel *c¹* is struck. In the channel *c²* a clamping-bolt *x* is adjustably arranged to hold an arm *t* in different positions in relation to the vertical channel *e*. The arm *t* is jointed by means of a bolt *x¹* to a section *t¹*, with which it has a sliding connection. For this purpose the bolt *x¹* passes through a slot *x¹¹* in the part *t¹*. The arm *t¹* in turn is jointed by means of a bolt *x²* to an arm *t²*, so that said arm *t²* may have pivotal adjustment in relation to the arms *t* and *t¹*. The arm or section *t²* has a bolt *x³* passing through a slot thereof, the head of the same,

x⁴, as shown in Fig. 1, being arranged to bear against the under side of the overhanging flanges *c^x*, forming the top of the channel or way *c¹*.

By means of the slot *x⁵*, through which the bolt *x³* passes, it will be seen that the arm *t²* can be adjusted, as shown in dotted lines in Fig. 2. Each of the sections *t¹* *t²* has an arm extending vertically therefrom, (marked, respectively, *p*, *q*, and *r*.) These arms are slotted, and through these slots bolts *x⁶* *x⁷* *x⁸* pass, said bolts being connected, respectively, with standards *m¹* *n¹* *o¹*, extending down, respectively, from the sections *m*, *n*, and *o* of the arm-rest. By means of the bolts *x⁶* *x⁷* *x⁸*, which have suitable wing-nuts, the arm-rest may be adjusted vertically as desired. The section *n* is hinged at *n²* to the section *m* of the arm-rest, so as to have vertical adjustment, as shown in dotted lines in Fig. 1, and the section *o* is pivoted at *x⁹* to the section *n*, so that it may be adjusted horizontally at an inclination to the sections *m* and *n*, as shown in dotted lines in the plan view Fig. 3. To the under side of the section *m* of the arm-rest arms *h* are secured, extending toward the standard *e*, said arms being slotted for the passage of a clamping-bolt *x¹⁰*. This bolt passes through the slot of an arm *f¹*, secured to the support post or standard *l* of the shoulder-bolster *k*. The lower end of this slotted arm is connected to a link *g*.

By means of the described joints and connections of the various parts it will be seen that the arm-rest may be adjusted to various positions to suit the requirements of the operations to be performed.

I claim as my invention—

Supporting means for the human arm comprising sections *m*, *n* and *o*, adjustable supports *p*, *q* and *r* connected thereto, a base-plate having a circular and a straight slot therein, the arms or sections *t¹*, *t²*, adjustably connected together and adjustably mounted in the said slots, the said supports *p*, *q*, *r*, being connected with the sections or arms *t¹*, *t²* and a bolster *k* with means for supporting the same adjustably, substantially as described.

In witness whereof I subscribe my signature in presence of two witnesses.

CHRISTINE ZIBULSKI.

Witnesses:

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ANDREAS SORGDIENER.