(No Model.)

J. W. ALDRICH.

ARM REST.

No. 456,929. Patented Aug. 4, 1891.

Fig. 1.

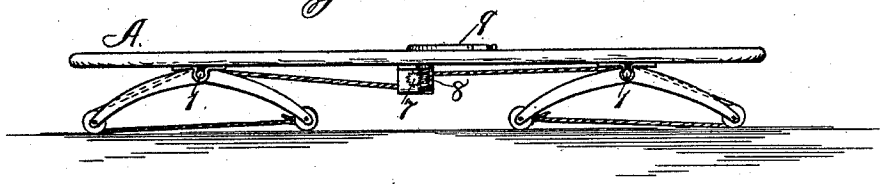


Fig. 2.

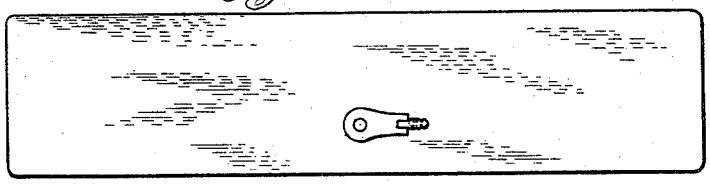


Fig. 3.

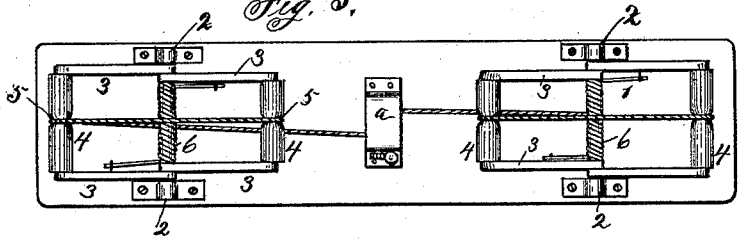
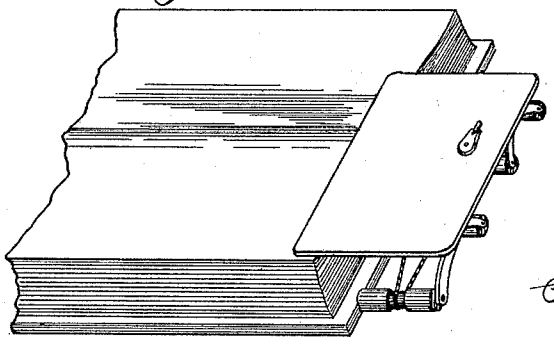


Fig. 4.



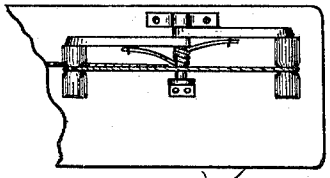


Fig. 5.

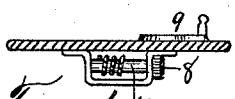


Fig. 6.

Witnesses
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By his Attorneys

Smith & Dennison

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES W. ALDRICH, OF BINGHAMTON, NEW YORK.

ARM-REST.

SPECIFICATION forming part of Letters Patent No. 456,929, dated August 4, 1891.

Application filed December 26, 1890. Serial No. 375,793. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. ALDRICH, of Binghamton, in the county of Broome, in the State of New York, have invented new and useful Improvements in Arm-Rests, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to arm or hand rests used by book-keepers and others when it is desired to write upon the lower and bottom lines of large books, such as ledgers, journals, &c.

My object is to produce such a device which can be readily adjusted, cheap in construction, and of great utility.

My invention consists in the several novel features of construction and operation hereinafter described, and which are specifically set forth in the claims hereunto annexed. It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of my device complete. Fig. 2 is a top plan view thereof. Fig. 3 is a bottom plan view thereof. Fig. 4 is a view thereof having its rollers shortened and one of their supporting-arms removed, so as to allow one edge of the arm-rest to set over on the lower edge of the book. Fig. 5 is an enlarged detail of such modification. Fig. 6 is a detail of the adjusting mechanism.

A is the base or arm-rest, to the under side of which I loosely secure the shaft 1 by means of straps 2. Journaled to the shaft are laterally-projecting arms 3, constructed as shown, between the outer ends of which I journal or pivotally mount rollers 4, having central groove 5. These rollers may be constructed of any material desired; but I preferably construct them from rubber or felt to prevent of their sliding upon the smooth surface of a desk.

6 is a coil-spring encircling the shaft 1, having its ends attached rigidly to opposite sides of the arm 3, thereby producing a tension to always hold the arm against the base A.

7 is a windlass operated by a threaded shaft 8, engaging with the cog-wheel head of the windlass, said shaft 8 having a crank-arm 9, by which motion is imparted to the windlass.

b is a cord having one end attached to the windlass and the other end passing over the outer roller in the groove 5 and attached to the inner roller centrally.

It will be observed that the height of the rest can be readily adjusted by winding the cord upon the windlass. It will also be observed that a windlass will be produced by simply journaling the lower end of the shaft in the casing *a* and windlass directly upon this shaft.

I do not limit myself to the construction shown in Figs. 1 and 3, as it will be very evident that I can omit one of the supporting-arms and produce the same result, as shown in Fig. 4.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An arm-rest, as herein described and shown, consisting of a base A, having secured to its lower side the shaft 1, laterally-projecting arms 3 mounted thereon, rollers pivotally mounted between said arms, a cord *b*, having one end attached to the windlass and the other end passing over the other roller and attached to the inner roller, a windlass, and means for rotating it.

2. An arm-rest, as herein described and shown, consisting of a base A, having secured to its lower side the shaft 1, a coil-spring encircling the same and having its ends rigidly attached to opposite projecting arms, laterally-projecting arms 3, rollers pivotally mounted between said arms, and a cord *b*, having one end attached to the windlass and the other end passing over the outer roller and attached to the inner roller, a windlass, and means for rotating it.

In witness whereof I have hereunto set my hand this 13th day of December, 1890.

JAMES W. ALDRICH.

In presence of—

H. P. DENISON,

E. V. MACK.