Oct. 7, 1924. 1,510,877

C. H. WIEDENMANN

WRIST SUPPORT

Filed March 27, 1923

Fig. 1.

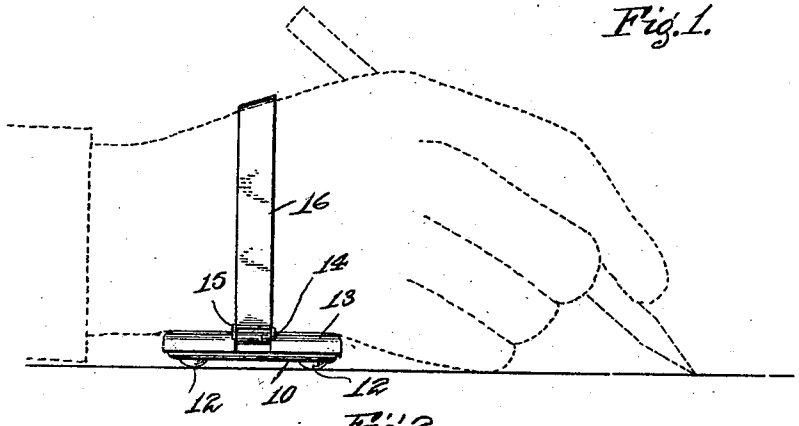


Fig. 2

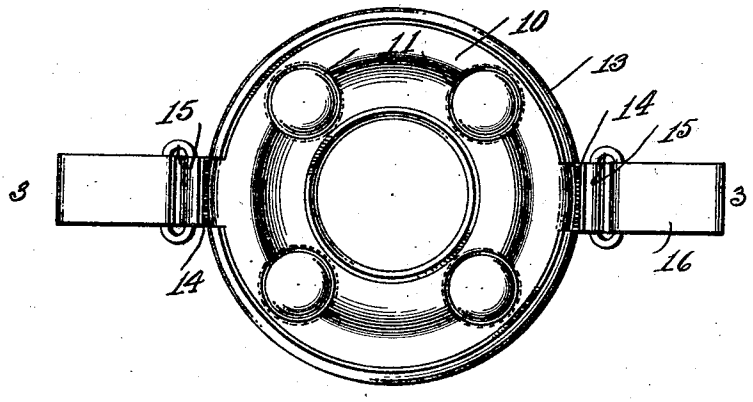
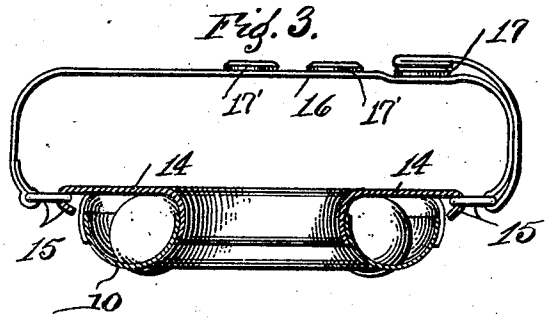


Fig. 3.



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UNITED STATES PATENT OFFICE.

CHRISTIAN H. WIEDENMANN, OF KANSAS CITY, MISSOURI.

WRIST SUPPORT.

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To all whom it may concern:

Be it known that I, CHRISTIAN H. WIEDENMANN, a citizen of the United States, residing at Kansas City, in the county of Jackson, State of Missouri, have invented certain new and useful Improvements in Wrist Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in supports and particularly to supports for use by writers.

One object of the invention is to provide a simple and cheap device of this character, and one which is light in weight, and adapted to the comfort of the writer.

Another object is to provide a device of this character wherein few parts are used, and such parts formed to maintain antifriction elements in proper position and for attaching a wrist strap.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

In the drawing:

Figure 1 is a view of the wrist rest in use.

Figure 2 is a bottom plan view of the device.

Figure 3 is an enlarged transverse sectional view on the line 3—3 of Figure 2.

Referring particularly to the accompanying drawing, 10 represents the lower portion of the rest which is in the form of a ring, concavo-convex in cross section. In the convex face of the ring there are formed a number of circular openings 11 through which portions of metal balls 12 protrude for rolling contact with the surface on which writing is being done. A second ring 13 is disposed on the upper side of the ring 10, and said ring 13 is concavo-convex in cross section, as clearly seen in the sectional view Figure 3. The outer peripheral edge portion of the ring 13 is bent to snugly embrace the corresponding edge portion of the ring 10, while the inner edge, or that portion surrounding the central opening of the ring 13, is similarly bent to embrace the corresponding portion of the ring 10, that is the portion surrounding the central opening thereof.

Struck out from diametrically opposite sides of the outer periphery of the ring 13 are the tabs 14, which are properly rolled into tubular form to receive the small rings 15. To one of these rings 15 is secured one end of the elastic wrist encircling strap 16, the other end being passed through the other ring 15 and secured to the main portion of the strap, in any suitable manner, as by the snap fasteners 17. A number of the head portions of the fasteners are secured to the main portion of the band, so that proper adjustment can be obtained for wrists of different sizes, as clearly shown at 17'.

When properly applied to the wrist, as seen in Figure 1, the support receives the knob or projection of the palm of the hand which lies across the palm from the thumb, and at the juncture of the hand with the wrist, in the central opening of the upper ring 13, while the balls rest on the surface on which writing is being done. Thus the hand can be more easily, and with less strain, moved across the surface, while writing. Furthermore, the hand is elevated the proper distance above the surface for the proper manipulation of the pen or pencil.

What is claimed is:

1. A wrist support for writers comprising a ring having a central opening for the reception of the hypothenar eminence of the palm of the hand, anti-friction means in the ring and protruding from the opposite side thereof, and surrounding the said central opening and means for securing the ring to the hand.

2. A wrist support comprising a hollow toric body formed in sections with one of the sections having oppositely directed ears, the central opening of the body being arranged to receive the hypothenar eminence of the palm of the hand, a wrist encircling band connected to the said ears, and surface engaging antifriction means in said body and partially protruding from the other section.

3. A wrist support comprising a hollow toric body formed in two telescopically engaged ring portions, one of the portions having oppositely extending ears, a wrist

encircling band secured to the rings and adjustable with relation to one of the ears, the other ring portion having a plurality of circular openings, and a surface engaging bearing ball partly protruding from the interior of the toric body through each of the said openings.

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

CHRISTIAN H. WIEDENMANN.

Witnesses:

EDNA C. WIEDENMANN,

CARL WIBERG.