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H. H. HARRIS

2,474,050

ARMREST

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Fig. 5.

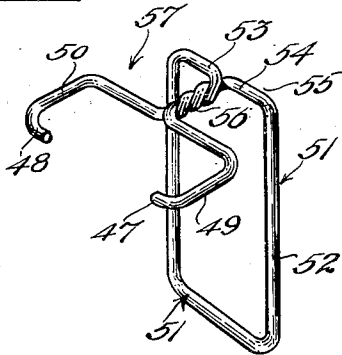


Fig. 2.

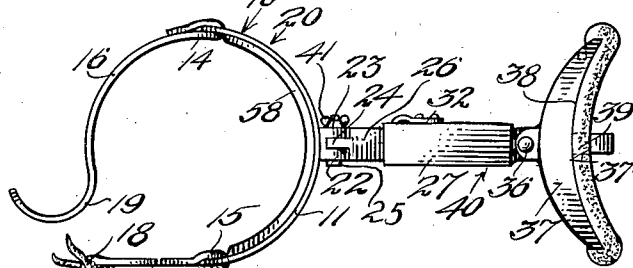


Fig. 3.

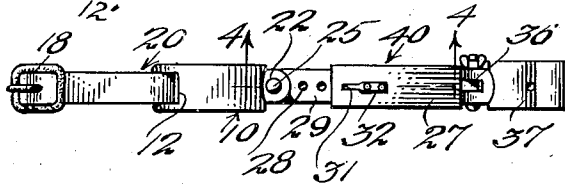


Fig. 1.

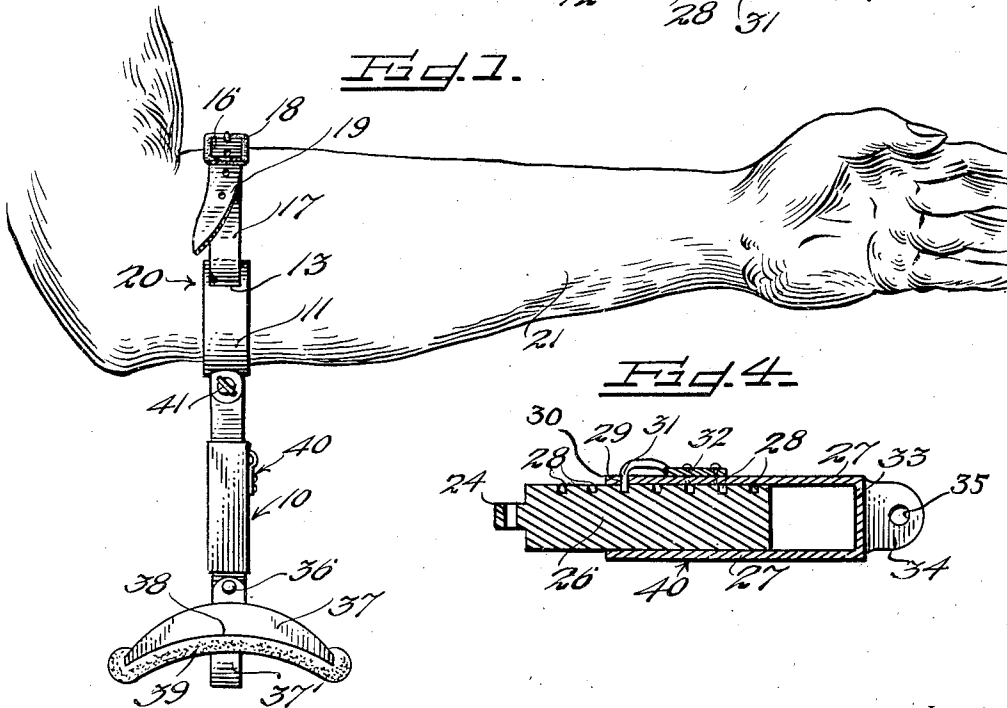


Fig. 4.

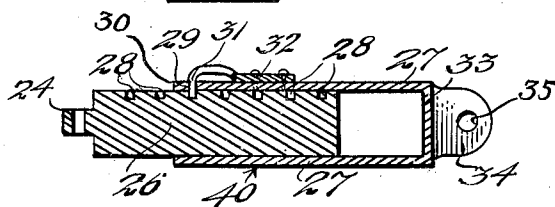
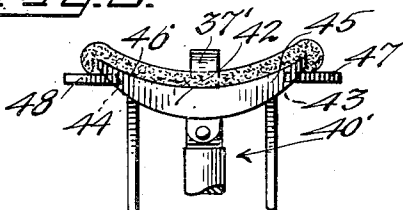


Fig. 6.



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ARMREST

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The invention sufficiently described in the following specification that those versed in its art may understand its purpose, its functions and its mode of construction and manufacture, is also shown in the accompanying drawings which one illustration of at least one form thereof, has for a primary object to provide means for supporting an arm in a restful position without preventing the use thereof in certain lines of work where the hand of the user is constantly busy.

This invention has for another object to provide an arm rest attachable to the arm and provided with means for bearing against the body of the user in order to hold the arm away from the body and in a restful position.

A still further object of the invention is to provide an adjustable arm band to which is connected a prop for supporting the arm in a desired position.

It is to be understood that the primary purpose of the invention to be herein disclosed (the accompanying drawings of which are purely for illustrative purposes and constitute merely one application of the principle involved) is to provide means for supporting the forearm of a user in a restful position without in any way interfering with the free use of the hand.

Other features and advantages will become more readily apparent from the following description and the accompanying illustrative drawings in which:

Figure 1 is a diagrammatic view illustrating an application of the invention,

Figure 2 is an elevational view of the invention,

Figure 3 is a view similar to Figure 2 taken from another angle,

Figure 4 is a sectional view taken on line 4—4 of Figure 3,

Figure 5 is a perspective view of a bracket member, and

Figure 6 is a detailed view of a modification.

While one embodiment of the invention is illustrated in the above referred to drawings, it is to be understood that they are merely for the purpose of illustration and that various changes in construction may be resorted to in the course of manufacture in order that the invention may be utilized to the best advantage according to circumstances which may arise, without in any way departing from the spirit and intention of the device which is to be limited only in accordance with the appended claims. And while there is stated the primary field of utility of the invention it remains obvious that it may be em-

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ployed in any other capacity wherein it may be found applicable.

In the accompanying drawings, and in the following specification, the same reference characters are used to designate the same parts and elements throughout and in which 10, refers to the complete invention which consists of a semi-cylindrical plate 11 having terminal apertures 12 and 13 into which the ends 14 and 15 of straps 16 and 17 are looped and fixed. On the end 12' of strap 17 is fixedly connected a buckle 18 to receive and adjustably hold the perforated tongue end 19 of strap 16 whereby the arm band 20 may be adjustably attached to the arm 21 of a user.

From the center of the member 11 project ears 22 and 23 between which are held a hinge member 24 by a pintle 25, the member 24 being an extension of a bar 26, telescopically mounted in a tube 27, said members 25 and 27 being adjustable as to length by means of a series of bores 28 in the bar which align with a bore 29 in the end 30 of the tube and a spring pin 31 the inset horizontal tail 32 of which is riveted to the tube. The closed end 23 of the tube has extending therefrom a lug 34 with a bore 35 and by means of which the tube is hingedly attached, as at 36, to a crescent shaped segment 37. This segment is adapted to bear against the body of a user in order to support the arm at the elbow a desired distance from the body. The crescent 37 conforms to the contour of the body and is provided on its concave surface 38 with a pad 39 having the double function of frictional engagement with the body whereby it will hold where put, and also, that of a cushion seat to prevent hurt to the body.

As the member 37 is in no way fixedly attached to the body of a user it does not prevent free use of the arm, as when the arm is moved from its resting position the arm support 40 will merely swing down to vertical position as indicated in Figure 1 of the drawings and when it does drop to such position and it is not the wearer's intention to make use of it at once, he may swing it up parallel with the forearm 21 and tighten the wing nut 41 whereby it will be held in said position. It is obvious that the arm band 20 may be attached to the arm on either side of the elbow depending upon the particular work being done with the arm and hand. To the member 37 is fixed an extension hook 37' which is adapted to be caught in a user's belt 55 or trouser band in order to hold the segment 37

from falling from against the body when the device is in use.

In Figures 5 and 6 of the drawings is shown a slight modification in which the segment 42 is provided with aligning bores 43 and 44 in its ends 45 and 46 into which the opposing ends 47 and 48 of the spring arms 49 and 50 of a bracket 51 may be held when not wanted for use.

The bracket 51 is formed of spring wire and has a rectangular body portion 52 adapted to be slipped under the belt of a user of the device. The opposing portions 53 and 54 joining the rectangle 52 are turned out at right-angles from the upper end 55 of the member 52 and twisted upon one another as at 56 to overreach a belt to provide the offset clip 57 for any adjustment of the member 42 as above stated and whereby the device 40' may be at hand when needed.

There are certain workers whose hands are constantly employed and the volume of the work requires that the elbow of at least one arm be held off from the body, such workers for instance as mail sorters, whose arms become very tired and strained in the course of a day's work and from experience I have found that the instant arm rest provides great relief, particularly as the device offers numerous adjustments.

From the foregoing specification it will become apparent that the invention disclosed will adequately accomplish the functions for which it has been designed and in an economical manner and that its simplicity, accuracy and ease of operation are such as to provide a relatively inexpensive device considering what it will accomplish and that it will find an important place in the art to which it appertains when once placed on the market.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawings. Therefore, a more lengthy description is regarded as unnecessary.

Changes in shape, size and rearrangement of details and parts such as come within the purview of the invention claimed may be resorted to, in actual practice, if desired.

Having thus described the invention that those versed in its particular art will fully understand how to make and use the same, as well as its functions, and without having attempted to detail all of the forms in which it may be made, all of its advantages, or all of the uses to which it may be put, it is declared that which is

claimed as new and sought to be protected by Letters Patent is:

1. The described device comprising an arm band, a longitudinally extensible prop attached thereto, means for locking said prop in longitudinally adjusted position, an apertured body engaging member, means for pivoting said member to one end of the prop, a friction pad on said member, said band consisting of a rigid semi-cylindrical member with straps and a buckle connected thereto, means for pivotally securing said rigid member to said prop, means for supporting said device from a belt, and said last means including a clip engageable in the apertures in said member.

2. A support comprising an arm band, a longitudinally extensible prop, means for pivotally securing said band to said prop, means for locking said band in selected adjusted positions relative to said prop, means for locking said prop in longitudinally adjusted positions, a body engaging member having apertures therein, means for pivoting said member to a selected end of said prop, said band including an arcuate arm engaging member, means for securing said member to the arm, means for pivotally securing said arm engaging member to said prop, support means secured to said apertured member.

3. The combination recited in claim 2, a friction pad secured to said body engaging member.

4. The combination recited in claim 3, said longitudinal adjustment locking means including apertures in a selected prop element, resilient biasing means secured to a second selected prop element selectively engageable in said apertures.

5. The combination recited in claim 4, said support means comprising a resilient clip engageable in said apertures.

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