F. W. PAGE.

ARM REST OR SUPPORT.

APPLICATION FILED APR. 26, 1913.

1,103,824. Patented July 14, 1914.

Fig. 1.

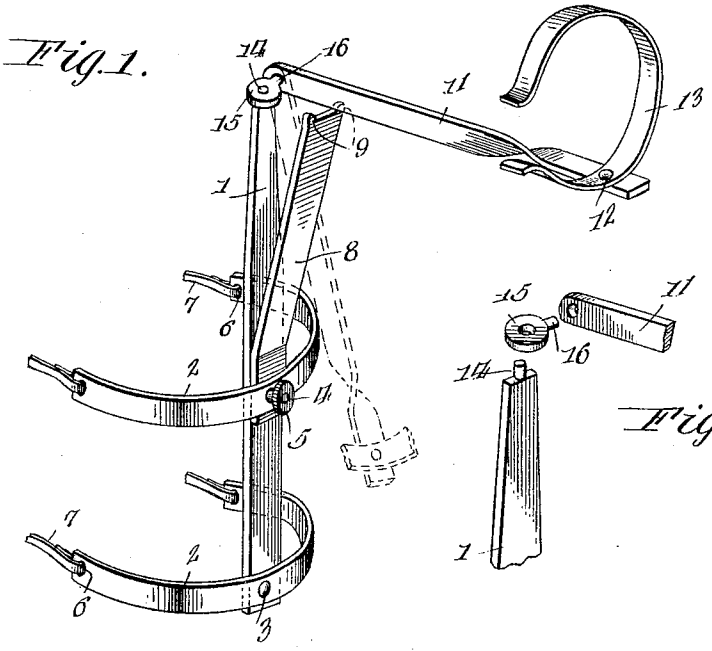


Fig. 2.

Fig. 3.

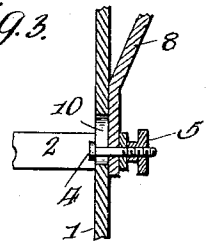
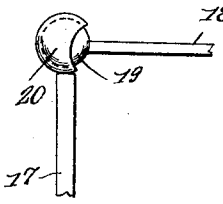


Fig. 4.



WITNESSES

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ARM REST OR SUPPORT.

1,103,824. Specification of Letters Patent. Patented July 14, 1914.

Application filed April 26, 1913. Serial No. 763,837.

To all whom it may concern:

Be it known that I, FRANK W. PAGE, a citizen of the United States, residing at Wisdom, in the county of Beaverhead and State of Montana, have invented certain new and useful Improvements in Arm Rests or Supports, of which the following is a specification.

My invention relates to a support or rest for the arm adapted for attachment to the body and designed to enable a fire-arm, telescope, spy-glass, or other object to be held steady.

One object of the invention is to provide the device of such construction that the arm-engaging or supporting parts proper may be maintained lowered or folded against the body, or raised or in supporting position, whenever desired.

Another object of the invention is to provide the device of such construction, that when fastened to the body of the wearer, the parts engaged by and supporting the arm, may be shifted to desired positions, solely through the movement of the arm.

Still another object of the invention is to provide the arm-engaging parts of such construction that the same are capable of yielding or swinging both vertically and horizontally to facilitate the raising and lowering of such parts.

A further object of the invention is to provide means whereby the arm-supporting parts may be held in horizontal position against accidental displacement.

Further objects of the invention are to provide a device of this kind that is of simple construction, employs parts few in number, and one that will prove durable in use, and a device that may be manufactured at a moderate cost.

Other and more specific objects will appear hereinafter from the description following, taken in connection with the accompanying drawings, wherein the preferred embodiment of the invention is shown.

In said drawings:—Figure 1 is a perspective view of the improved arm rest or support constructed in accordance with my invention; Fig. 2 is a perspective view, illustrating fragmentarily in disassembled relation, the parts permitting vertical and horizontal movement of the arm rest member; Fig. 3 is a fragmentary vertical sectional view, illustrating specifically the connection of the support member to the supporting body or main bar thereof; and Fig. 4 is a detail fragmentary view, illustrating a modified form of means to permit vertical and horizontal movement of the arm rest member.

Throughout the drawings, like reference characters designate like or similar parts.

Referring specifically to the drawings, a supporting body is provided and may consist essentially of a vertical bar or arm 1 having attached thereto a plurality of curved flexible metallic bands 2. These bands may be attached to the arm 1 in any suitable manner, and as shown, the lower one is riveted to the bar at 3, and the upper one attached by means of a bolt 4 having thereon a nut 5. Each band at the ends thereof is provided with an opening 6 by which are fastened to the bands fastening members, such as straps 7 which are designed in connection with the bands to surround and embrace the body of the wearer.

It will be noted that the bolt 4 passes through the lower portion of a support arm or member 8, located intermediate the bar 1 and upper band 2. The said support member for the major part thereof extends outwardly away from the bar 1 or is mounted at an angle thereto, and at its upper end provided with a plurality of spaced-apart lugs or abutment members 9, which define between them a recess or portion lying below the upper extremities thereof. The opening in bar 1 through which bolt 4 extends, is designated 10 and vertically elongated, as shown.

Supported at the upper extremity of the arm 1 so as to be capable of pivotal movement both in a vertical plane and in a horizontal plane, is an arm rest member or bar 11 which is twisted intermediate its ends to provide a horizontal base against which is fastened, as by means of a rivet 12, a U-shaped spring or yielding arm-engaging clip or clasp 13. This arm, when in horizontal position, is supported in the recess defined by the abutments 9, and when in lowered or folded position, is used as shown by the dotted lines in Fig. 1.

In Figs. 1 and 2, the means shown for permitting the vertical and horizontal pivotal movement of the arm rest member is as follows:—Arm 1 at its upper extremity

terminates in a pin or pivot member 14, on which is pivoted a plate 15 having thereon a pin or pivot member 16 to which the arm rest member 11 is pivoted. The pivotal connection afforded by the pin 14 and plate 15 permits swinging of the arm rest in a horizontal plane, and the pivotal connection afforded by the pin 16 and arm rest 11 permits swinging movement of the arm rest in a vertical plane. As is obvious, the pins 14 and 16 may be securely fastened respectively to the plate 15 and arm rest member 11, but preferably are upset beyond said parts.

In use, the supporting body is fastened to the body of the wearer, as by means of the straps 7. The correct vertical adjustment of the support member 8 may be then or previously had by loosening nut 5 and moving bolt 4 vertically in elongated slot 10, and thereafter tightening said nut 5. The arm of the wearer is inserted into the clip 13, and thereafter when the arm is moved the arm rest 11 moves therewith. When the arm has moved to horizontal position so as to support the object in use, the rest member 11 is supported by the support member 8 in the recess intermediate the abutments 9. When it is desired to lower the arm or move it from said position, the same is first slightly raised, which accordingly raises the arm rest member 11, and thereupon moved horizontally from pivot 14 beyond the adjacent vertical edge of the support member 8 and lowered to the position shown by dotted lines in Fig. 1. In again raising the arm, it is clear that the same is first moved vertically on pivot 16 to position above the abutments 9 and then shifted horizontally on pivot 14 and lowered into the recess intermediate the abutments or lugs 9.

A modified form of means for effecting the vertical and horizontal movement of the arm rest member, is shown in Fig. 4. In this figure, the equivalent of the bar 1 and arm rest member 11 are respectively designated 17 and 18. Arm rest member 18 at one end thereof is provided with a ball 19 which is loosely and pivotally mounted in a socket 20 supported at the upper end of bar 17. It is obvious that this construction will permit vertical movement of the arm rest member 18 and also horizontal movement thereof.

Changes in the details of construction of the device shown herein may of course be made, and such changes as fall within the scope of the appended claims are reserved.

Having thus described my said invention, what I claim as new and desire to secure by Letters Patent, is:—

1. In a device of the class described, a supporting body, an arm rest member pivoted thereto, a support member engaged by said arm rest member, and means to adjust said support member relatively to said rest member.

2. In a device of the class described, a supporting body member, a support member, one of said members provided with an elongated slot, a fastening member projecting from the other member and passing through said slot adjustably securing said support, and an arm rest member pivotally mounted on said supporting body engaging said support member.

3. In a device of the class described, a supporting body having an arm, a horizontally and vertically movable arm rest member mounted on said arm, an upwardly extending support member adjustably mounted on said arm engaged by said rest member, said supporting member provided with a recess at its top end for the purpose specified.

4. In a device of the character described, a supporting body having an arm, a pivot pin formed upon the upper end of said arm, a plate pivotally mounted on said pin, a pin extending from the outer edge of said plate, an arm-rest member pivoted to said last-mentioned pin, and a supporting arm for said arm-rest member carried by said arm.

5. In a device of the class described, a bar element, bands fastened to said bar, flexible attaching members fastened to said bands, a support element, each of said elements provided with a slot, one of said slots being elongated, a bolt passing through said slots, a nut on said bolt, abutment means on said support member, an arm rest member engaging said support member adjacent said abutment means pivoted to said bar to swing vertically and horizontally, and arm clasp means on said arm rest member.

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

FRANK W. PAGE.

Witnesses:
C. W. FRANCIS,
FRED HOLMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."