Sept. 17, 1929. H. H. HANSARD 1,728,679

WRIST SUPPORT

Original Filed Aug. 3, 1923 2 Sheets-Sheet 1

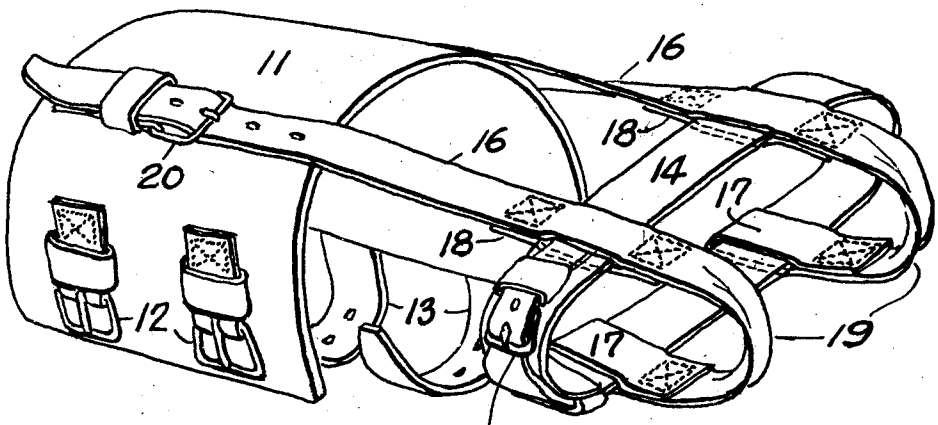

FIG. 1

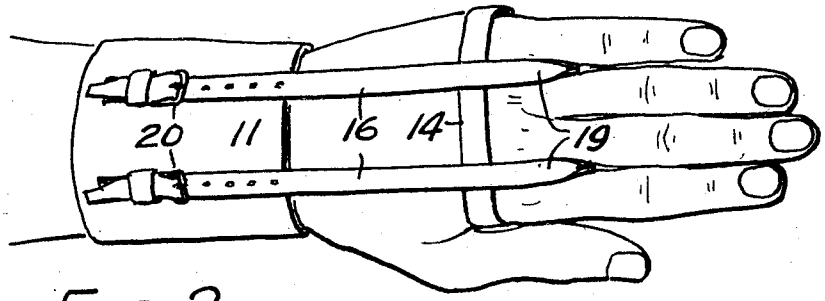

FIG. 2

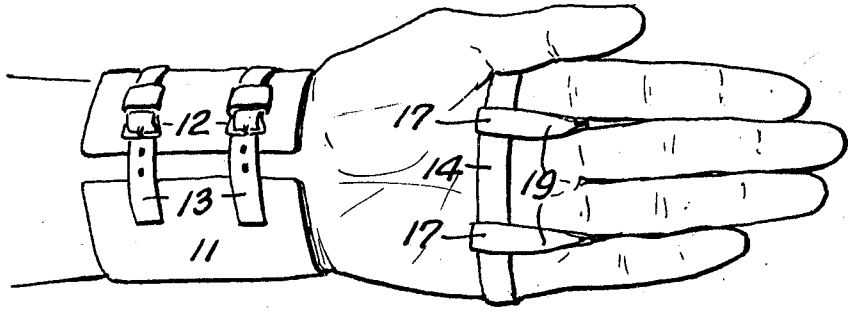

FIG. 3

Inventor
Hugh H. Hansard
By
Attorney

Sept. 17, 1929. H. H. HANSARD 1,728,679

WRIST SUPPORT

Original Filed Aug. 3, 1923 2 Sheets-Sheet 2

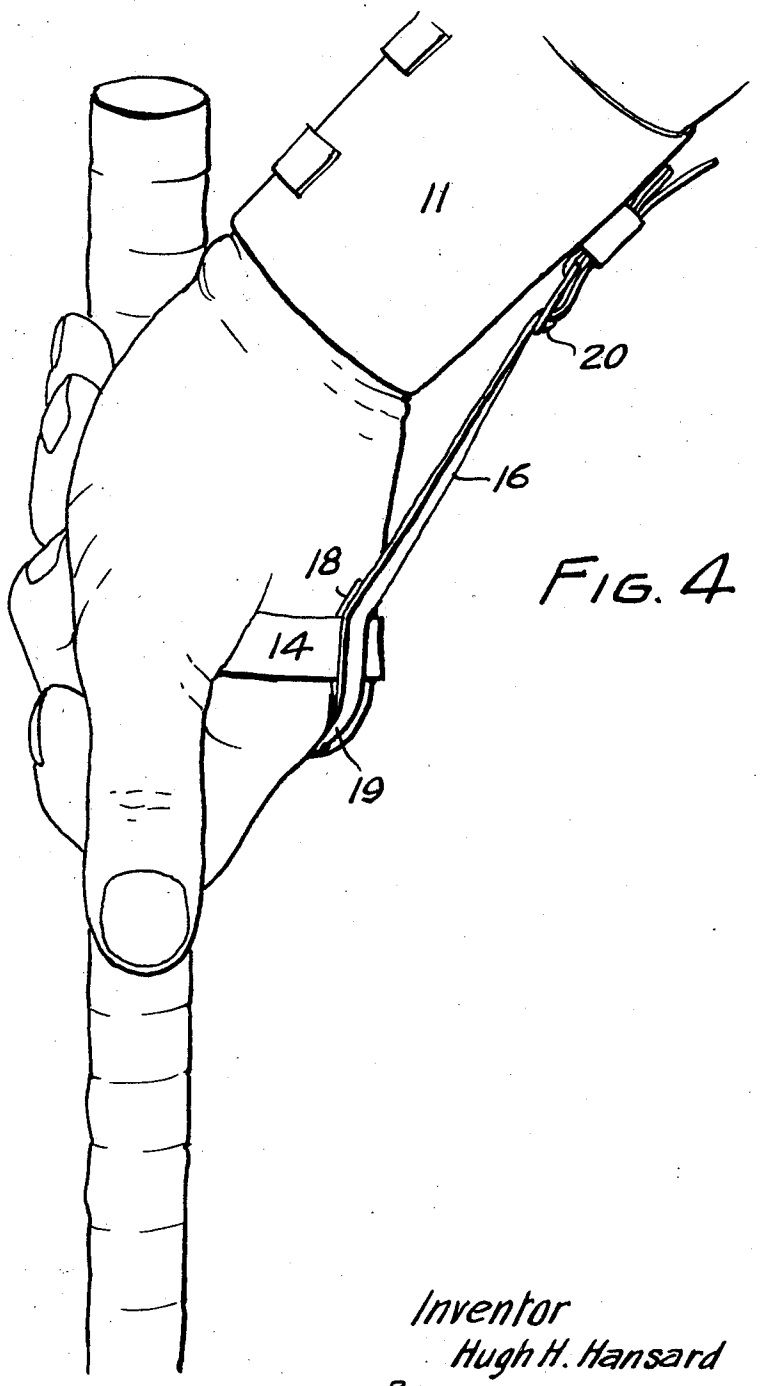

FIG. 4

Inventor
Hugh H. Hansard
By
Attorney.

Patented Sept. 17, 1929 1,728,679

UNITED STATES PATENT OFFICE

HUGH H. HANSARD, OF MONTREAL, QUEBEC, CANADA

WRIST SUPPORT

Application filed August 3, 1923, Serial No. 655,485, and in Canada June 11, 1923. Renewed February 8, 1929.

This invention relates to improvements in wrist supports for use when playing golf and other games in which the wrist requires support against movement in certain directions but must be permitted free movement in other directions. The object of the invention is to provide an inexpensive, durable, comfortable and not unsightly support which will limit movement of the hand as necessary while permitting free movement as necessary.

The device consists briefly of a comparatively wide band to encircle the wrist, a narrower band to encircle the hand beyond the base of the thumb and a pair of straps connected to said latter band and adapted to pass between the index and second fingers and between the third and little or fourth fingers and to be adjustably attached to the wrist band to hold the hand against bending forward at the wrist, while at the same time permitting backward and sidewise movements of the hand.

In the drawings which illustrate one embodiment of the invention:—

Fig. 1 is a perspective view of the device alone.

Fig. 2 is a plan view of the back of a hand showing the device in position thereon.

Fig. 3 is a plan view of the palm of a hand showing the device in position thereon.

Fig. 4 is a perspective view showing the operation of the device in use.

Referring more particularly to the drawings, 11 designates a comparatively wide band of material, such as leather, of requisite stiffness and of a length to nearly or completely encircle the wearer's wrist so that the ends are spaced slightly apart, meet or overlap at the front of the wrist according to the length of the band or the size of the wrist. One end of the band is supplied with buckles 12 and the other end with straps 13 to cooperate with the buckles and secure the wrist band firmly in position on the wearer's wrist, so that it will not work around. A second band 14 is provided materially narrower than the first and adapted to encircle the wearer's hand between the thumb and knuckles. This band is preferably in the form of a simple strap provided at one end with a buckle 15 enabling it to be adjusted to the size of the hand, but it will be understood that if the device is made to order this band may be endless and of the proper size, thus eliminating the necessity for a buckle. A pair of check straps 16 are provided to connect the hand band 14 with the wrist band 11. Each of these straps is secured at one end in any suitable way to what may be termed the front or palm portion of the band 14, as by a loop 17 sliding on the band 14. At an intermediate point each strap 16 is connected to what may be termed the back portion of the band 14, for example, by means of keepers 18 secured to the check straps and permitting the check straps to slide along the band 14. These end and intermediate connections of the check straps with the band 14 form loops 19 adapted to pass between the first and second and between the third and fourth fingers of the wearer's hand, as illustrated, and may be formed in any suitable way (not shown) to secure the maximum of comfort to the wearer. While the connections between the band 14 and straps 16 have been described as slidable, it will be understood that if desired the connections may be permanent, for example, by sewing or riveting the band and straps together. It will also be understood that all connection between the back of the band 14 and the check straps may be omitted. It will also be understood that adjustable connection may be established in ways other than illustrated and described, wherefore the invention must not be considered as limited to the details of the disclosure herein. The remaining end of each check strap is connected to the back portion of the wrist band by means of buckles 20 secured to the wrist band.

The device is applied by slipping the hand through the band 14 and then adjusting the band if necessary to be a comfortably tight fit around the hand, the loops 19 of the straps 16 passing respectively between the first and second and third and fourth fingers, as shown. If these straps are slidably related with the band the parts will slide of themselves for proper relative position for the hand or may be adjusted to such position. The wrist band is closed around the wrist so

as to cover the wrist and is then strapped reasonably tightly, the buckles being at the front of the wrist. The check straps 16 are now adjusted through their buckles to hold the hand either in any desired bent back position or against bending forwardly at the wrist from the line of the arm. The device when applied limits the forward movement of the hand but does not limit the backward or sidewise movements thereof. The wrist band, however, gives support to the wrist against excessive backward or sidewise movement of the hand and the effect is to hold the hand against assuming improper relation with the forearm. Once the device has been adjusted to the hand it may be taken off and reapplied as often as desired without destroying the adjustments of the band 14 or check strap 16, it being necessary only to open the wrist band and slip the device off the hand. The device may be worn on either hand without alteration. When in use the device is inconspicuous and not unsightly but if its appearance is objected to it may be entirely concealed by a glove. All parts of the device are flexible and accommodate themselves to the wearer's hand, thus avoiding discomfort, and also enabling the device to be folded flat for transportation in a pocket. If desired the device may be incorporated in a glove which may possibly serve as the hand band, and loops between the fingers.

Having thus described my invention, what I claim is:—

1. In a device of the class described, separate bands to encircle the wrist and hand, and a strap connected at one end to the hand band and adapted to pass between the wearer's fingers across said hand band and connected at its opposite end to the wrist band.

2. In a device of the class described, separate bands to encircle the wrist and hand, a pair of straps each connected at one end to the front or palm portion of the hand band, said straps being adapted to pass respectively between the first and second and between the third and fourth fingers of the wearer's hand and to be connected at their remaining ends to the wrist band.

3. A device according to claim 2, in which the hand and wrist bands are adjustable to the size of the hand and the straps are adjustably connected to the wrist band.

4. A device according to claim 2, in which the hand band and the straps are slidably connected.

5. A device of the class described, comprising separate hand and wrist bands, and a strap connected at one end to the hand band and traversing the band at a remote point and defining with the band openings for the passage of the wearer's fingers, said strap being adjustably connected at its remaining end to the wrist band.

6. A device according to claim 5, in which the hand and wrist bands are adjustable.

7. A device according to claim 5, in which the strap is slidably related with the hand band.

8. In a device of the class described, separate bands to encircle the wrist and hand, adjustable fastening means for each of said bands, and a strap connected at points spaced in its length to two points spaced in the length of the hand band, the said strap being adjustable along the hand band, and means for adjustably securing an end of the strap to the wrist band.

In witness whereof, I have hereunto set my hand.

HUGH H. HANSARD.