

March 15, 1927.

1,621,323

E. M. HORN

ARM SLING

Filed Aug. 21, 1926

Fig. 6.

Fig. 1.

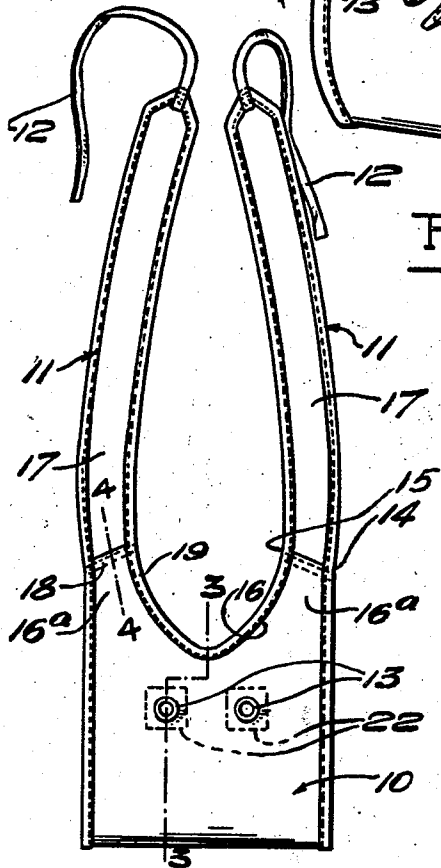
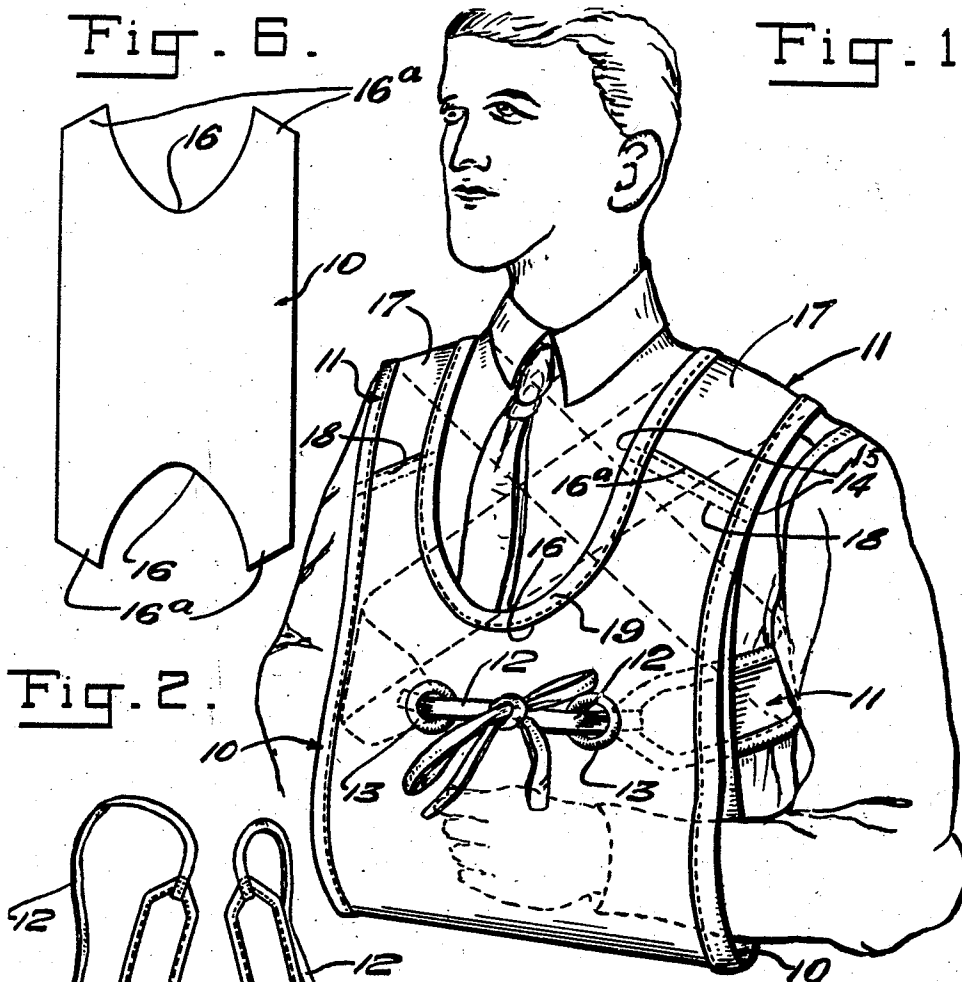
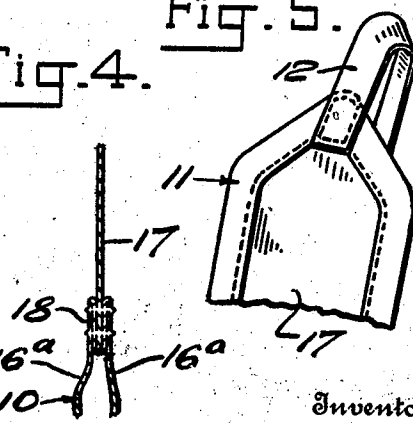
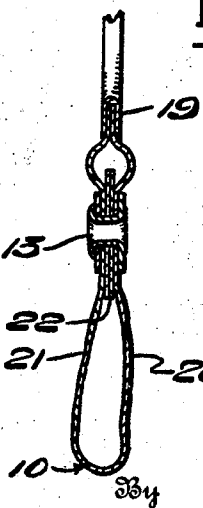


Fig. 3.

Fig. 4.

Fig. 5.



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UNITED STATES PATENT OFFICE.

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ARM SLING.

Application filed August 21, 1926. Serial No. 130,702.

This invention relates to arm slings and more particularly to a device for supporting the arm during its recovery from a break, sprain or the like.

5 An important object of the invention is to provide a device of this character which removes the strain from the neck of the wearer, distributing it to the shoulders and which is so constructed that the sling may be conveniently arranged at any desired
10 angle to the horizontal.

A further object of the invention is to provide a device of this character employing two shoulder straps so connected there-
15 with that each shoulder strap bears the proper proportion of the weight of the arm and undue strain from the straps upon either end of the tubular receptacle within which the arm is arranged is prevented.

20 These and other objects I attain by the construction shown in the accompanying drawings, wherein for the purpose of illustration is shown a preferred embodiment of my invention and wherein:—

25 Figure 1 is a perspective view showing a sling constructed in accordance with my invention applied to the body of a person;

Figure 2 is a front elevation of the sling removed;

30 Figure 3 is a section on the line 3—3 of Figure 2;

Figure 4 is a section on the line 4—4 of Figure 2;

35 Figure 5 is a detail perspective of an end portion of one of the shoulder straps;

Figure 6 is a view of the blank from which the body of the sling and the adjacent end portions of the shoulder straps are formed.

Referring now more particularly to the
40 drawings, the numeral 10 indicates a tubular arm receptacle, from opposite ends of which extend flexible shoulder straps 11. Each shoulder strap 11 has at its end a tape 12 adapted to pass through an eyelet 13 carried
45 by the tubular arm receptacle. The eyelets 13 are two in number and are spaced at opposite sides of the longitudinal center of the tubular member 10 and arranged adjacent the upper edge. The tape of each shoulder
50 strap 11 is passed through the eyelet 13 at the opposite side of the center thereof from the end of the tubular member to which the strap is attached, so that the tape engage-
55 ment of the eyelet, together with the attachment of the end of the shoulder strap to the

tubular member 10, provide for support of opposite ends of the tubular member. The shoulder straps have their outer edges 14 flush with the outer end of the tubular member and are increased in thickness at their
60 attached ends, so that their inner edges 15 connect with the tubular member at the approximate center thereof and therefore tend to support the tubular member at its center. The tapes 12, after passage through the
65 eyelets 13, are secured together at the front of the tubular member where they may be conveniently arranged for adjustment or release. In the preferred construction of the
70 device, a rectangular fabric blank is formed with shallow U-shaped notches 16 at its opposite ends. The blank is then folded, so that the bottoms of the notches 16 and the arms 16^a produced by the notches are
75 stitched to one another and to the ends of the bands 17 forming the shoulder straps, as indicated at 18. A tape binding is provided for the coinciding edges of the notches,
80 as indicated at 19, and the remaining edges of the tubular arm receptacle and of the shoulder straps are similarly taped. Metal-
lic eyelets are then placed through the front and rear walls 20 and 21 of the arm receptacle, reinforcing pads 22 being prefer-
85 ably positioned between the front and rear walls before the eyelets are inserted there-
through.

It will be obvious that the construction above referred to can be altered considerably without in any manner departing from the
90 spirit of my invention and I accordingly do not limit myself to such specific structure except as hereinafter claimed.

I claim:—

In an arm sling, a tubular arm receptacle, 95 shoulder straps connected to opposite ends thereof, horizontally aligned eyelets carried by the tubular receptacles at opposite sides of the longitudinal center thereof and tapes at the ends of the arm straps for passage
100 through said eyelets and connection with one another, said shoulder straps having their outer edges substantially coinciding with the outer ends of the tubular member and their inner ends connected with the
105 tubular member substantially at the center thereof.

In testimony whereof I hereunto affix my signature.

EFFIE M. HORN.