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S. N. SAGER

2,067,790

HAND PROTECTOR

Filed July 1, 1935

Fig. 1.

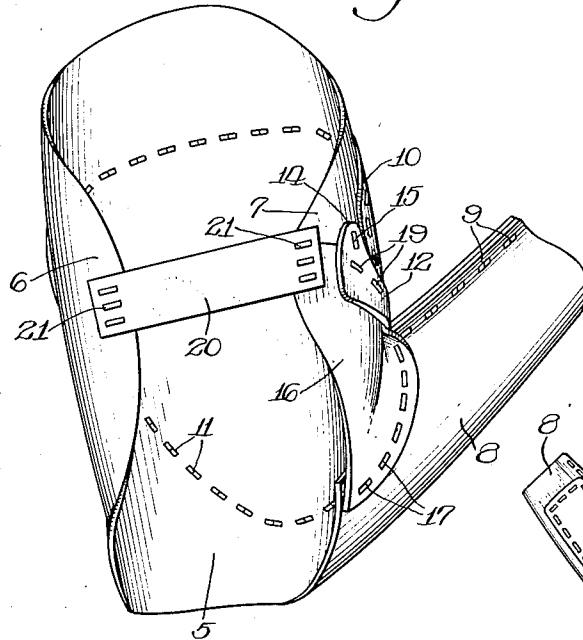


Fig. 4.

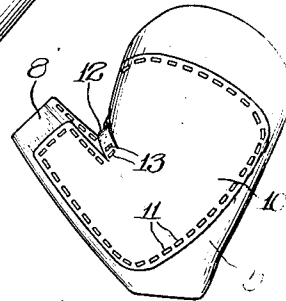


Fig. 3.

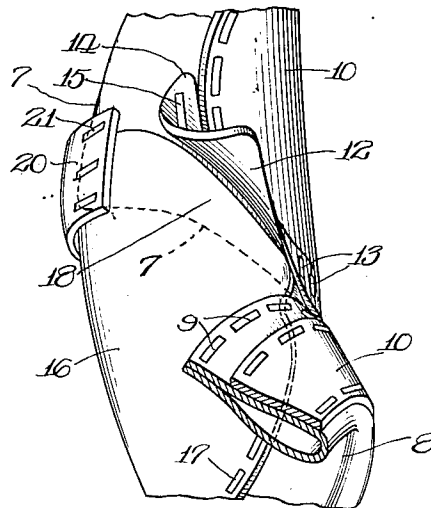
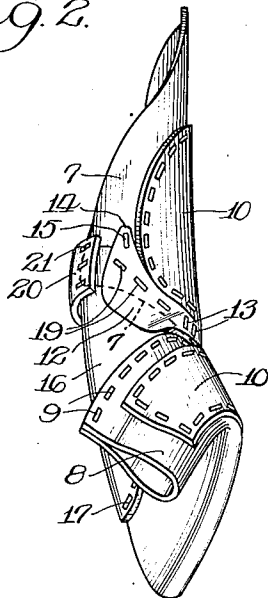


Fig. 2.



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UNITED STATES PATENT OFFICE

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HAND PROTECTOR

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1 Claim. (Cl. 2—20)

This invention relates in general to a hand protector for heavy duty service and is more particularly described as a mit pad composed of leather or other suitable material.

5 In handling certain articles of trade and in performing certain manual operations such as polishing, scouring, and the like, it is desirable to protect the palm and fingers of the workman's hand without any necessity of protecting the back of the hand or of keeping the hand
10 warm.

The present invention is therefore designed and intended as an inexpensive protector of this kind which may be easily applied and removed, and which when in place will form a smooth
15 pad and protector for the hand of a workman.

A further object of the invention is in the provision of a protector of this kind in which the material of the pad is extended in the crotch thereof and to the back of the protector for
20 attaching the parts in place.

A further object of the invention is in the provision of a palm and thumb protector which is ventilated at the back and end of the thumb so that the hand of a workman will not become
25 too heated.

A further object of the invention is in the novel method of applying the protector pad and attaching the parts at the crotch and rear of the protector.

30 Other objects of the invention will appear hereinafter, the accompanying drawing illustrating a preferred embodiment of the invention, in which

35 Fig. 1 is a view of the back of a completed protector embodying the invention;

Fig. 2 is a perspective of one side with the thumb sheath drawn back to show the crotch protector;

40 Fig. 3 is a perspective similar to Fig. 2 showing a step in the manufacture of the protector; and

Fig. 4 is a front view of the protector.

A protector pad of this kind is cut from one
45 piece of material, usually thin leather, having a thumb stall integral with the palm and finger protector and the edges of the palm portion curled rearwardly at the back and attached by a cross piece or strap. A particularly novel feature of the present construction is in applying
50 to this covering a reinforcement or protector pad extending over the thumb and palm and having an integral crotch extension or tongue piece which is secured to and reinforces the joint between the palm and thumb stall of the protector
55 and holds the parts together.

Referring now more particularly to the drawing, a protector 5 is cut from a sheet of leather or other material of sufficient size to cover the palm and extend to the tips of the fingers, including opposite side portions 6 and 7 which curl
5 over at the back of the hand, and a portion 8 which when provided with stitches 9 at the crotch side forms a thumb stall open at the outer end for ventilation purposes.

To this protector is applied a pad or reinforcing patch 10 of similar material cut to fit over
10 the palm and the inner or palm side of the thumb stall and secured thereto by metal stitching or staples 11 with an integral crotch extension or tongue 12 which naturally projects in
15 that space between the thumb and the adjacent curved portion 7 at the side of the palm where it is secured to the protector by transverse metal staples 13. The crotch extension or tongue continues to the rear side where it has a more or
20 less pointed extremity 14 attached by a staple 15 to the side portion 7 of the protector.

Between the curved edge 7 and the adjacent side portion of the thumb stall 8 it is necessary
25 to provide a gusset 16 to fill the space caused by cutting the palm and thumb out of the same piece of material. This gusset is attached to the thumb portion by staples 17 but in attaching it to the side 7 of the protector, the edge 18 is inserted below the extremity of the crotch extension or tongue 12 as shown more clearly in
30 Fig. 3, after the staple 15 is applied to the extremity 14 and before staples 19 are inserted through the crotch extension 12 as shown more clearly in Figs. 1 and 2.

After the gusset is thus attached, a back cross piece or strap 20 is secured to the edges of the side portions 6 and 7 and to the gusset 16 by
35 staples 21. If desired the back piece 20 may form a continuation of the crotch piece 12 as it is a substantial continuation of it, but in practice it is better to form it of a separate piece of material which can be made from the scrap
40 pieces of protector material.

With this construction and method of making
45 the mit pad, a smooth protection is afforded at the crotch and front of the protector and the entire protector fits smoothly upon the hand, and there are no objectionable projections which will irritate the hand or catch on an article handled
50 by the protector. The staples commonly used for stitching the parts together are of flat wire with the ends turned inwardly into the material so that they provide a smooth non-irritating
55 securing means for the parts. By reinforcing the joint at the crotch in the particular manner

shown and described there is no undue wear or cutting at that point when handling sharp edged metal strips, wires, and other material which tend to gouge or cut the hand.

5 I claim:

10 In combination with a hand protector comprising a pad to cover the palm and fingers, and curled to cover the sides of the hand, with a thumb stall connected to and projecting at one side of said pad, of a reinforcing patch consisting of a single piece of material shaped to include

portions covering the palm and inner part of the thumb stall of the pad, and having a reinforcing tongue formed integrally with said palm and thumb stall portions to cover the joint between the palm and thumb stall of the pad, said tongue being extended around coincident with one of the curled sides of the pad; together with means securing the patch and tongue to the pad, and a strap connecting the curled side portions of the pad. 5

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