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PROTECTOR FOR SHOULDERS

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This invention relates generally to body protecting devices, and particularly to protectors for shoulders.

The main object of this invention is to provide an exceedingly simple and efficient form of protector which will be formed to fit the shoulders of the wearer and which will distribute a load over a considerable area of the body instead of permitting same to cut in at some one point.

The second object is to provide a shoulder protector which can be worn underneath the coat of the wearer making same invisible and eliminating the need for any other form of fastening means.

The third object is to construct same from materials which will be light in weight and easily formed into a shape best adapted for the purpose intended.

These, and other objects, will become more apparent from the specification following in which:

Fig. 1 is a plan of the guard showing same in an extended position.

Fig. 2 is a perspective view of the formed device.

Fig. 3 is a section taken along the line 3--3 in Fig. 2.

Fig. 4 is a section taken along the line 4--4 in Fig. 1.

Fig. 5 is a section taken along the line 5--5 in Fig. 2.

Fig. 6 is a front view of the wearer showing the device in place.

Fig. 7 is a rear view of the wearer showing a portion cut away to disclose the device.

Fig. 8 is a modified form of cross section showing how one or both of the edges may be reinforced for strengthening purposes.

Similar numbers of reference refer to similar parts throughout the several views.

Referring in detail to the drawings, there is shown in Fig. 1 the developed shape of the device, which is in reality a collar whose neck engaging portion 10 is concave and is preferably thicker than the outer edge 11 thereof which is convex. The tips 12 are preferably rounded, as shown.

In actual practice the collar is formed as shown in Fig. 2, which resembles closely the shape of the shoulders and neck.

It will be seen in Fig. 3 that the portion 13 is somewhat concave on its top side to more readily adapt itself to the body of the wearer, and also to facilitate the holding of the straps 14 of the wearer.

In the cross section shown in Fig. 5 the point 12 and the rear edge 11 are well below the intermediate portion 13, thereby insuring against movement of the device with relation to the body. In other words, the points 12 will bear against the chest while the rear edge 11 will bear against the back of the neck.

In Fig. 8 there is shown a modified form of material 16, one edge of which is provided with a binding 17 to afford the necessary reinforcement for the portion 10, which is subject to the greatest wear. Obviously, this reinforcement can be carried around the entire periphery of the device.

The material from which this device is constructed may vary from metal to rubber or wood fiber, which latter material has the advantage of being cheap and light and that it will conform itself to the shape of the body as it is worn. Another advantage arising from the use of wood fiber resides in the fact that the cross section can be stiffened by thickening, or by the introduction of reinforcing wires or cords during the molding process.

I claim:

A protector for shoulders consisting of a collar shaped structure of semi-rigid material having the edge toward the neck thickened and having the top side of the shoulder portion concave.

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