

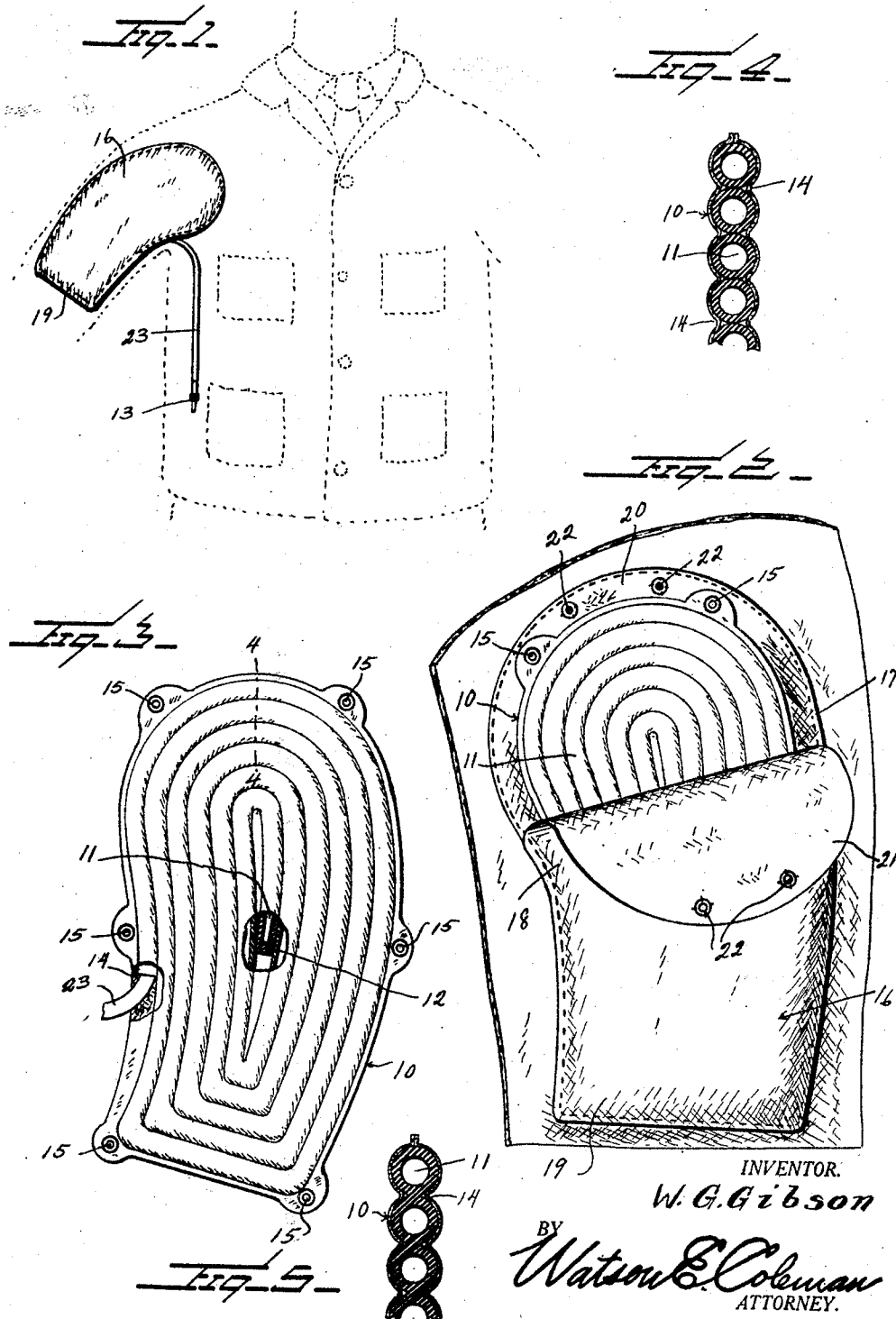
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RECOIL PAD

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UNITED STATES PATENT OFFICE.

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RECOIL PAD.

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This invention relates to recoil pads and more particularly to a device of this character which is placed upon the shoulder of a person handling a shot gun, rifle or the like to prevent the recoil thereof from injuring the shoulder.

An important object of the invention is to provide a device of this character which may be inflated to a desired degree so as to offer a desired resistance to the recoil of the gun.

A further object of the invention is to provide in conjunction with a device of this character holsters which may be sewed or otherwise secured within the hunting coats of the owner so that the recoil pad may be readily shifted from one garment to another.

The invention further resides in the method of constructing the pad hereinafter set forth.

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:—

Figure 1 is a front elevation showing the manner of applying the pad and holster to a hunting coat;

Figure 2 is an enlarged view showing the pad in position in the holster;

Figure 3 is a front elevation of the pad, parts being broken away;

Figure 4 is a section through the pad showing one manner of constructing the same; and

Figure 5 is a similar section showing a second manner of constructing the same.

Referring now more particularly to the drawings, the pad proper is formed by providing a flat coil 10 having a continuous passage 11 therein, one end of which is closed, as at 12, and the opposite end of which is provided with an air valve 13 by means of which the coil may be inflated, this coil being formed of rubber. The coil may be produced either by employing a single length of tubing, one end of which is plugged and the opposite end of which is provided with the valve 13, and coiling the same to provide a flat coil of the desired shape and size or by moulding a coil of the desired shape and size, forming in the moulding process the passage 11 having its

inner end closed and its outer end provided with the valve 13. To opposite faces of the coil I apply layers of rubberized fabric 14, the fabric being of such size that the edges of the fabric pieces overlie the edges of the coil and the rubberized faces of the fabric being next adjacent the coil. These fabric pieces are then vulcanized to the coil and to one another about the edges thereof. The edges of the fabric are further secured together by means of eyelets 15 directed therethrough.

The pad is preferably reniform, one end thereof being slightly smaller than the other end. This end will hereinafter be referred to as the arm end of the pad. In conjunction with the pad a similarly shaped pocket 16 is provided, this pocket being formed of fabric 17 and 18 secured together about the smaller ends thereof and having the larger ends unconnected. The formed pocket is secured to the inner surface of the hunting coat or the like by stitching, the smaller end of the pocket, as at 19, to the fabric of the coat thereby stitching the flap 20 which is arranged next adjacent to the material of the coat. The flaps 20 and 21 are provided with coacting elements of snap fasteners 22 which may be engaged with one another to retain the recoil pad in position in the pocket. The valve 13 is preferably secured to a flexible tube 23 of sufficient length to enable this valve to be reached by the mouth of the gunner for inflation without removing the pad from the pocket. It will be obvious that by providing pockets in different coats the recoil pad may be shifted from one coat to another thus eliminating the necessity of providing more than one recoil pad. It will furthermore be obvious that the structure of the device as hereinbefore set forth is capable of a considerable range of change and modification without in any manner departing from the spirit of my invention and I accordingly do not limit myself to such specific structure except as hereinafter claimed.

I claim:—

A recoil pad comprising a flat rubber section having a continuous air passage therein, one end of the passage being in communication with an inflating valve, and layers of fabric arranged upon opposite faces of the flat rubber section and of greater size

than the flat rubber section, said fabric layers being vulcanized to the flat rubber layers, the air passage being in the form of a coil, opposite faces of the section having
5 grooves therein between adjacent turns of the coil, said fabric layers extending into said grooves, the outer edges of said fabric layers being secured to one another and about the outer edges of the section, said fabric layers being free from connections to one another intermediate said outer edges. 10

In testimony whereof I hereunto affix my signature.

WILEY G. GIBSON.