

[54] **TOURNIQUET**

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[58] Field of Search **128/325, 327, 346; 248/226 A, 226 B, 316 A; 24/263 LS; 2/209**

[56] **References Cited**

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FOREIGN PATENTS OR APPLICATIONS

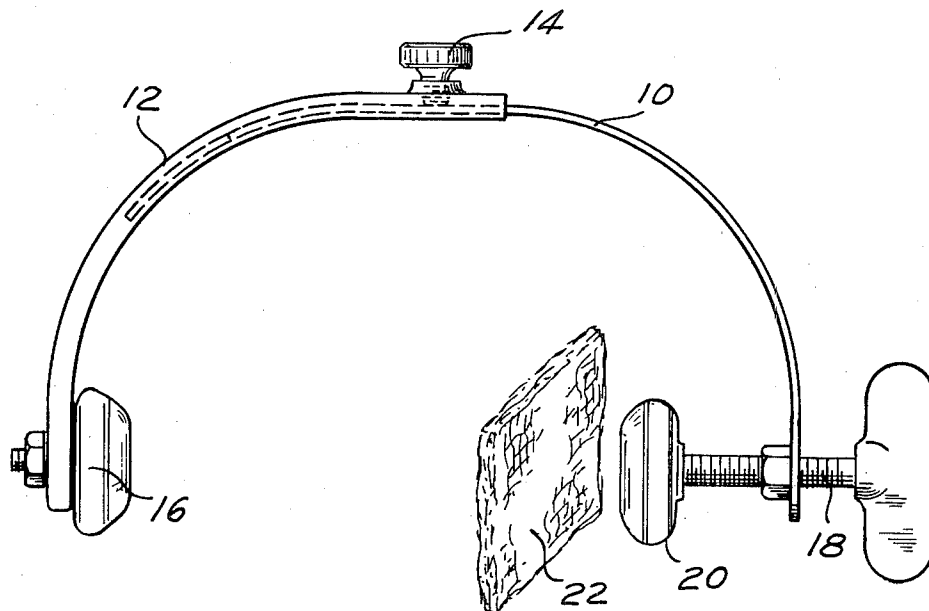
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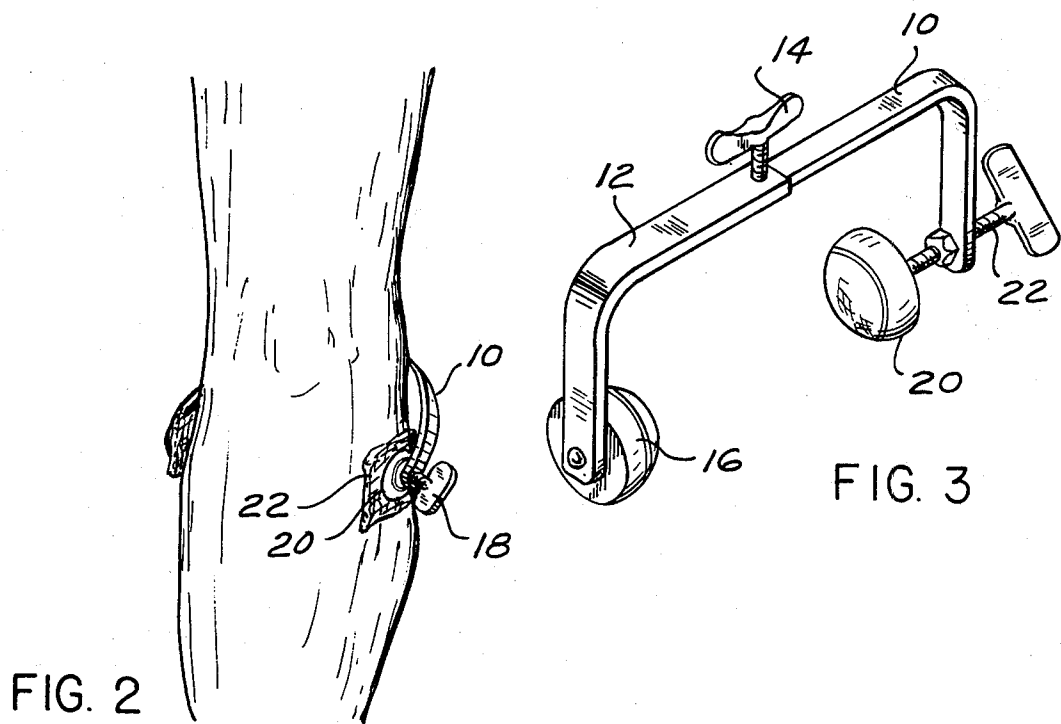
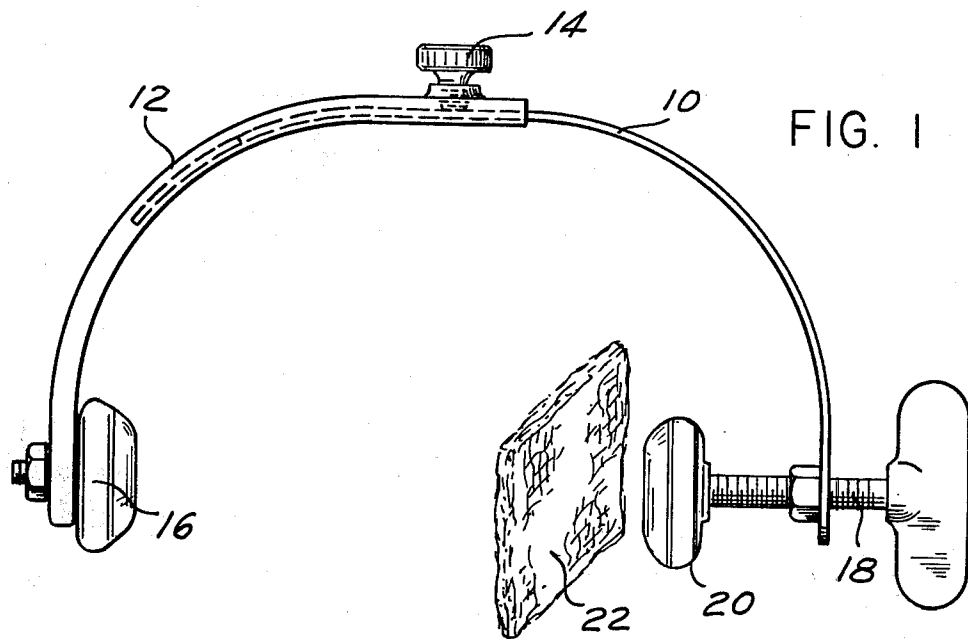
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[57] **ABSTRACT**

A tourniquet comprising; a loop of spring steel defining a C or U shape; a manually operable pressure screw disposed at one end of the loop having a first rubber pad disposed on the inside of the loop; and a second rubber pad secured to the other end of the loop on the inside thereof.

3 Claims, 3 Drawing Figures





TOURNIQUET

SUMMARY OF THE INVENTION

My invention is directed toward a medical device which can be used to form a tourniquet to arrest hemorrhage. Unlike conventional devices which must be released every few minutes, my device does not need to be released until the wound is sutured.

To this end, I employ a loop of spring steel defining a C or U shape. A manually operable pressure screw is disposed at one end of the loop and has a first pad disposed on the inside of the loop. A second rubber pad is secured to the other end of the loop on the inside thereof a piece of gauze can be secured to the first pad.

In use, the loop is disposed about the body, being clamped by means of the two pads, the first pad and gauze bearing against the point of bleeding. The screw is tightened to apply sufficient pressure to stop bleeding until the wound is sutured.

This device, for the first time incorporates pressure at a point rather than occlusion of the entire member circulation.

BRIEF DESCRIPTION OF THE DRAWINGS

In the drawings:

FIG. 1 is a perspective view of one form of my invention;

FIG. 2 shows my invention in use; and

FIG. 3 is a perspective view of a modification of my invention.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Referring first to FIG. 1, two spring steel curved members 10 and 12 fit slidably one within the other to form a C shaped loop. Thumb screw 14 enables the loop to be locked into position at position of desired length.

A rubber pad 16 is secured to the inside of the loop at one end.

A manually operable pressure screw 18 extends transversely through the other end of the loop with a second rubber pad 20 disposed on the inside of the loop.

A sterile sheet of gauze 22 can be detachably secured to pad 20.

The device can then be used as shown in FIG. 2.

The device of FIG. 3 has the loop pieces shaped somewhat differently to define a U rather than a C but is other wise the same as shown in FIG. 1.

While I have described my invention with particular reference to the drawings, such is not to be considered as limiting its actual scope.

Having thus described this invention, what is asserted as new is:

1. A tourniquet comprising:

a first curved open ended loop member of spring steel having an internal bore extending therein from one end to a point intermediate the ends, the first member having a convex outer surface and a concave inner surface;

a second curved open ended loop member of spring steel also having a convex outer surface and a concave inner surface, one end of the second member being slidable in the bore of the first member to vary the overall length of a composite loop defined by the two interconnected members, the other ends of the members being disposed opposite each other regardless of the overall length;

manually adjustable securing means attached to the first member adjacent said one end and extending radially outward from the convex surface of the first member, said means securing the two members together to establish a selected overall length; a manually operable pressure screw extending rotatably through the other end of a selected one of the members;

a first rubber pad secured to one end of said screw and disposed between the other ends of said members; and

a second rubber pad secured to the concave surface of the other member adjacent the said other end of said other member.

2. A tourniquet as set forth in claim 1 wherein the second number is the selected member.

3. A tourniquet as set forth in claim 2 wherein a sheet of gauze is secured to the first pad.

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