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BODY RESTRAINT DEVICES FOR USE ON STRETCHERS, TABLES
AND THE LIKE
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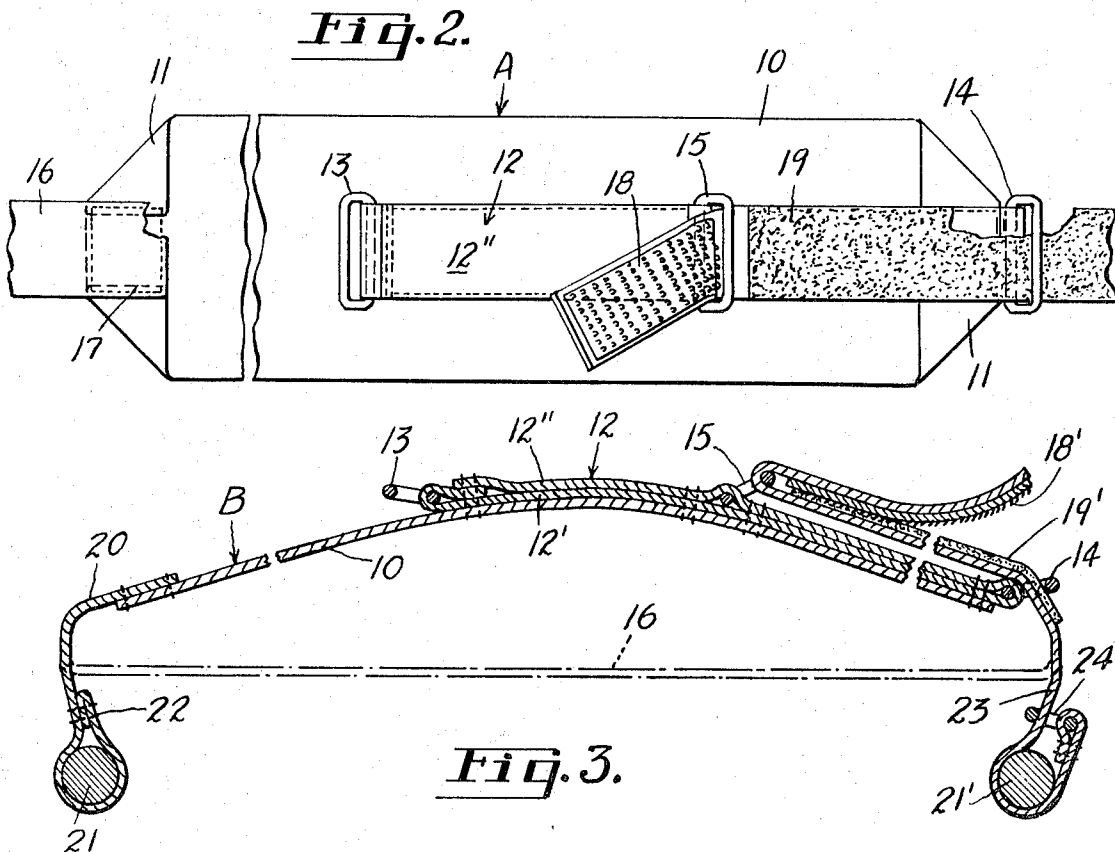
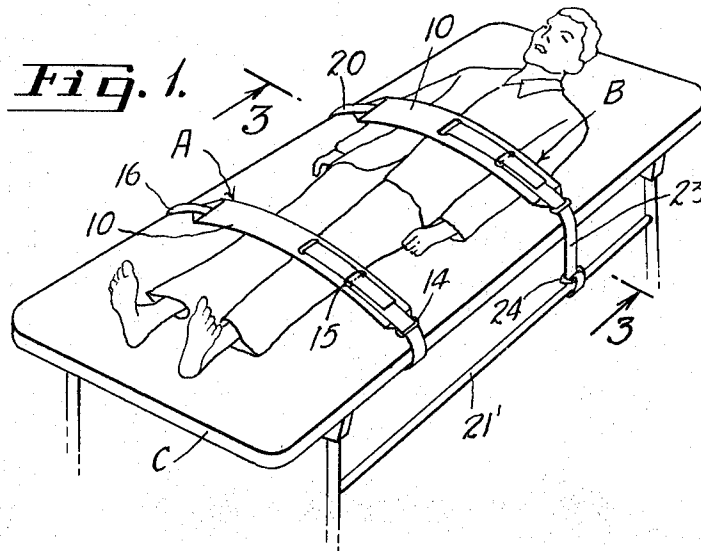


Fig. 3.

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**BODY RESTRAINT DEVICES FOR USE ON
STRETCHERS, TABLES AND THE LIKE**
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2 Claims

ABSTRACT OF THE DISCLOSURE

Body restraint devices of one strap and two strap constructions employing adjustable coupling means for quick attachment and detachment and adapted for use on stretchers, tables and the like and preferably, wherein, the dual strap structure constitutes part of the patient's support, such as the stretcher, table or the like.

The invention deals with a body restraining device which is simple and economical in construction and by virtue of the adjustable coupling means employed, the operation of restraining a patient on a support can be quickly and easily accomplished, as well as prompt removal of the patient from the support as and when desired. Further, with both forms of devices, a common adjustable coupling medium is employed, thus minimizing the cost of production of the two distinct types of restraining devices.

The novel features of the invention will be best understood from the following description, when taken together with the accompanying drawing, in which certain embodiments of the invention are disclosed and, in which, the separate parts are designated by suitable reference characters in each of the views and, in which:

FIG. 1 is a diagrammatic perspective view of a patient supported upon a stretcher and illustrating uses of both types of devices.

FIG. 2 is an enlarged detail plan view of the coupling portion of the devices in question and illustrating the single strap type of device, with parts of the construction broken away; and

FIG. 3 is an enlarged diagrammatic section, generally on the line 3—3 of FIG. 1, showing the dual strap type of device, with parts of the construction broken away.

For purposes of identification, the single strap type of device will be identified, generally, by the reference character "A" and the dual strap type of device will be identified, generally, by the reference character "B." As the adjustable coupling structure of each of the devices is the same, the brief description of one will apply to both.

Turning now to the enlarged showing in FIG. 2, this is a plan view of the single strap device "A." At 10 is shown a body band, having contracted ends 11. Fixed to the surface of the band is a loop supporting member 12, comprising an inner portion 12' and an outer portion 12'', note FIG. 3. This member supports three metallic loops, preferably stainless steel, 13, 14 and 15, in the manner clearly illustrated in FIG. 3. Fixed to one contracted end of the band 10 is an elongated strap 16, as indicated at 17. The other free end portion of the strap 16 supports male and female elements of a Velcro closure, as indicated at 18 and 19. In the showing in FIG. 1, as well as in FIG. 2, the free end of the strap 16 is passed through

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the loops 14 and 15. However, in FIG. 2, the male element 18 of the coupling is shown in an open position for clarity in the illustration. In FIG. 1, it is in the closed position. It will be understood that the couplings of the strap 16 can be made with any one of the loops and, if the strap should be coupled with the loop 13, it is preferable that the strap pass through both the loops 14 and 15 to maintain the strap end in definite alinement with the body band 10.

The device "A" is shown in FIG. 1 as in a position to support the legs of a patient on a stretcher C by simply looping the device around the stretcher or, in other words, with the strap 16 passing beneath the table of the stretcher, as indicated, for example, in the dot-dash showing of 16 in FIG. 3.

With the two strap type of device "B," as shown in section FIG. 3 of the drawing and in use upon the body of the patient in FIG. 1, instead of the single strap, one strap 20 is coupled with the end of the band 10, the same as the strap 16 and the strap 20 is secured to a rail 21 of the stretcher. This coupling is preferably made permanent, as by way of stitching 22. However, a type of detachable coupling could be used. It is preferred, however, that the device "B" be at all times on the stretcher for instantaneous use and it will be understood that both "B" type of devices can be used on the stretcher. In the same manner, both "A" type devices could be used, depending upon the requirements of a hospital. The use of the two types "A" and "B" in FIG. 1 is by way of simplifying illustrations of the invention.

At 23, FIGS. 1 and 3, is shown the second strap of the device "B." The end of this strap has a metallic loop 24 fixed thereto to provide a detachable coupling with the other opposed rail 21' of the stretcher, as diagrammatically shown. The strap 23 supports, at its free end portion, the male and female elements of the Velcro closure as, for example, at 18' and 19' in FIG. 3. In the showings in FIGS. 1 and 3 of the drawing, the strap 23 has been coupled with the body band 10 by engagement with the loops 14 and 15, the same as with the device "A." Here again, any type of coupling can be employed, the same as with the device "A" as heretofore described.

From the foregoing, it will be apparent that the devices in question are simple and economical in construction and will facilitate the quick restraining of a patient upon a stretcher, table or other support, as well as facilitating quick removal of the patient from the support as and when desired. The Velcro type of securing means facilitates a firm and positive support of the patient by virtue of the large degree of adjustment provided with this type of coupling.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A restraint device for use in retention of a patient upon a stretcher or the like, said device comprising:

a body band having an elongated loop supporting member fixed to the outer surface thereof, and extending to one end of said band, said member having spaced loops fixed thereto an elongated strap secured at a first end to the second end of said body band, and releasable securing means firmly fixed to said strap at the second end of said strap, said releasable securing means comprising:

a male Velcro closure at said second end of said strap, and

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a female Velcro closure spaced from said male Velcro closure whereby placement of said body band around said person with the inner surface of said body band against said person and said elongated strap placed under said stretcher and through spaced loops whereby said Velcro closure members may be coupled together to snugly restrain said person to said stretcher.

2. A device as defined in claim 1, wherein said body band is wider than said loop supporting member, and said strap means is of a width substantially similar to said member.

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