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(54) **Frame pad construction for trampolines**

(57) In an edge pad (5) covering the frame (1) and the springs (4) in a trampoline, and which consists of a foam core (7) contained in an upholstery (8), the upholstery (8) on the external side (9) is embodied with a cloth strap (13) with a casing (14) which can function in combination with a stick (17), which can be carried through pipe pieces (16), which are mounted with a definite distance, for example along the lowest edge of the external

side (15) of a frame profile (1), and the upholstery (8) is on the internal side (10) embodied with a cloth strip (19) with a casing (20), which can operate in combination with an elastic cord (11), which is tensioned between and fastened to two opposing parts of the frame (1). The frame pads cannot be torn loose. They will therefore cover the frame (1) as well as the springs (4) even after a long operational life. Furthermore, they are easy to mount and dismount.

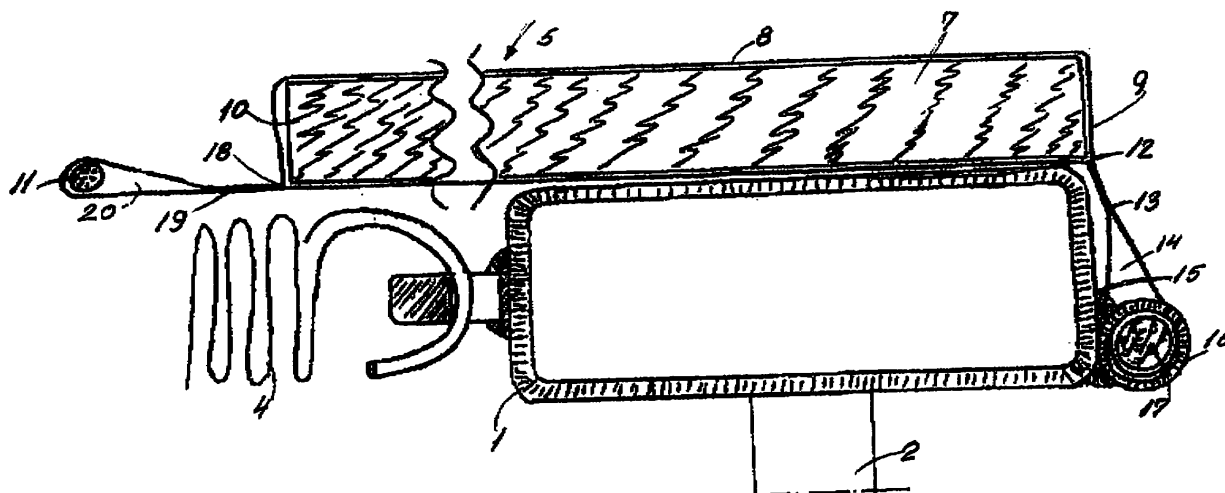


FIG. 4

Description

[0001] The present invention relates to a safety cover of the kind described in the introductory part of claim 1.

[0002] The known safety covers are constructed as frame pads covering the top side of the frame and the springs. They are embodied to fit the frame so that they can be held fast to it by means of cords, straps or rubber bands, which are fastened to the under side of the frame pads and the frame. The edge pads are therefore specially made to fit the frame profile, and they are difficult to mount. When the trampoline has been used for some time the frame pads will work loose from the frame, which will cause increased wear and tear and insufficient cover of the frame.

[0003] It is a purpose of the present invention to describe a safety cover, which does not have the drawbacks of the known safety covers.

[0004] This is achieved by embodying the safety cover and the trampoline frame as described in the characterising part of claim 1.

[0005] This will ensure that the frame pads are always held in position over the trampoline frame and the springs, and this offers protection and has a shock absorbing effect in case the trampoline jumper lands outside the trampoline's jumping area or the cover.

[0006] Claim 2 relates to a preferred method of fastening the external and the internal side of a frame pad for a trampoline frame.

[0007] This will ensure that the frame pads are simple of construction, that they are easy to mount and dismount, and safe to use.

[0008] The invention is explained in detail below with reference to the drawing, in which

fig. 1 is a perspective view of a corner section of a trampoline with frame pads according the invention,

fig. 2 is a schematic view after the line A-A in fig. 1,

fig. 3 shows a section of a trampoline with frame pads of known construction,

fig. 4 is a larger-scale view corresponding to the one shown in fig. 2, and

fig. 5 shows a section of a trampoline with frame and springs and a frame pad according to the invention.

[0009] A trampoline consists of a frame 1, which is mounted on legs 2. A trampoline cover 3 is fixed to the internal side of the frame 1 by means of springs 4. The trampoline frame 1 can, as shown, be constructed of square bar iron. On top of the frame 1 is mounted a frame pad 5, which covers the upper surface of the frame 1 and the springs 4.

[0010] As shown in fig. 3 the frame pad has up to now been fixed to the frame by having the underside of the

frame pad fixed to the frame 1 by means of cords, straps or rubber bands 6. This known kind of fixation involves the risk that the frame pads 5 will be pulled away from the trampoline frame by a "standing- on" effect of the frame pads over the springs. This will cause heavy wear and tear and a risk of lack of covering of the trampoline frame.

[0011] As shown, a frame pad 5 consists of an internal non-absorbent foam core 7 covered by an upholstery 8.

[0012] According to the invention this upholstery 8 is attached at the external side 9 of the pad 5 to the trampoline frame 1, and at the internal side of the pad to an elastic cord 11, which is held in tension between and attached to two opposing parts of the frame 1.

[0013] As shown in fig. 4 the upholstery 8 is at the lower external edge 12 extended into a strip of cloth 13, which at the end is embodied with a casing 14. To the external side of the frame 1 is welded pipe lengths 16, for example along the lowest edge of the frame 1 with a defined mutual distance. Through these pipe lengths 16 can be inserted a stick 17, which can be made of glass fibre, and which can be inserted in the casing 14, by which the cloth strip 13 and thereby the frame pad 5 is held in position on the frame 1. The cloth strip 13 can have a length such as it can secure the frame pad 5, so that the side 9 is flush with the external side 15 of the frame 1.

[0014] The internal lowest edge 18 of the frame pad 5 is extended into a strip of cloth 19, which at the end is embodied with a casing 20 through which the elastic cord 11 is carried.

Claims

1. Safety cover of a trampoline frame and springs constructed of frame pads (5), which are placed over the frame in the full length of the frame and which cover both the frame (1) and the trampoline springs (4),
characterised by the fact that the safety cover is embodied as a frame pad (5), which internally consists of a non-absorbent foam core (7) surrounded by an upholstery (8), which at the external side (9) is attached to the trampoline frame (1), and at the internal side (10) is fastened to an elastic cord (11) tightened between and attached to two opposing parts of the frame (1).
2. Safety upholstery according to claim 1, characterised by the fact that the upholstery (8) at the lowest external edge (12) of the frame pad (5) is extended into a cloth strip (13), which at its end is embodied with a casing (14), that to the external side (15) of the frame (1) at the bottom with a defined mutual distance are welded pipe lengths (16), through which can be inserted a stick (17), which can be inserted in the casing (14), that the cloth strips (13) are of such a length that

when the stick (17) is carried into the casing (14) they can hold the outer side (9) of the pad (5), so that it is flush with outer side (15) of the frame (1), and that the internal lower edge (18) of the pad (5) is extended into a cloth strip (19), which at the end is embodied with a casing (20) through which the elastic cord (11) is carried.

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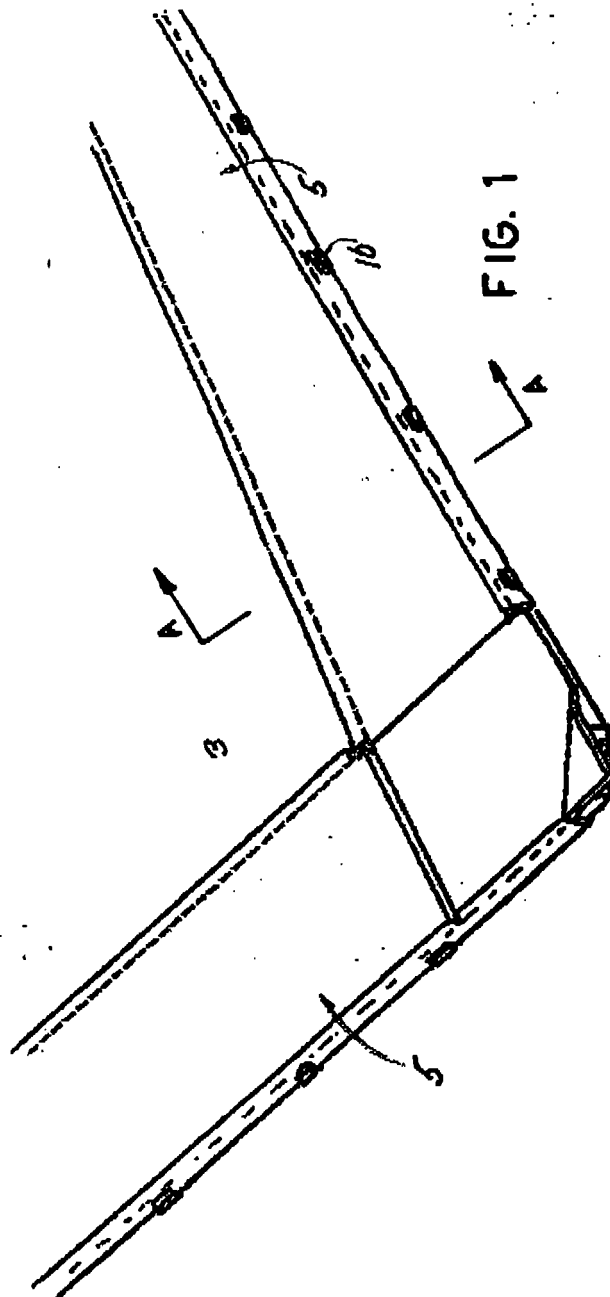


FIG. 1

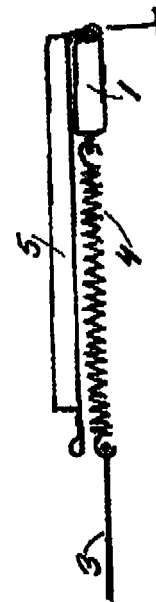


FIG. 2

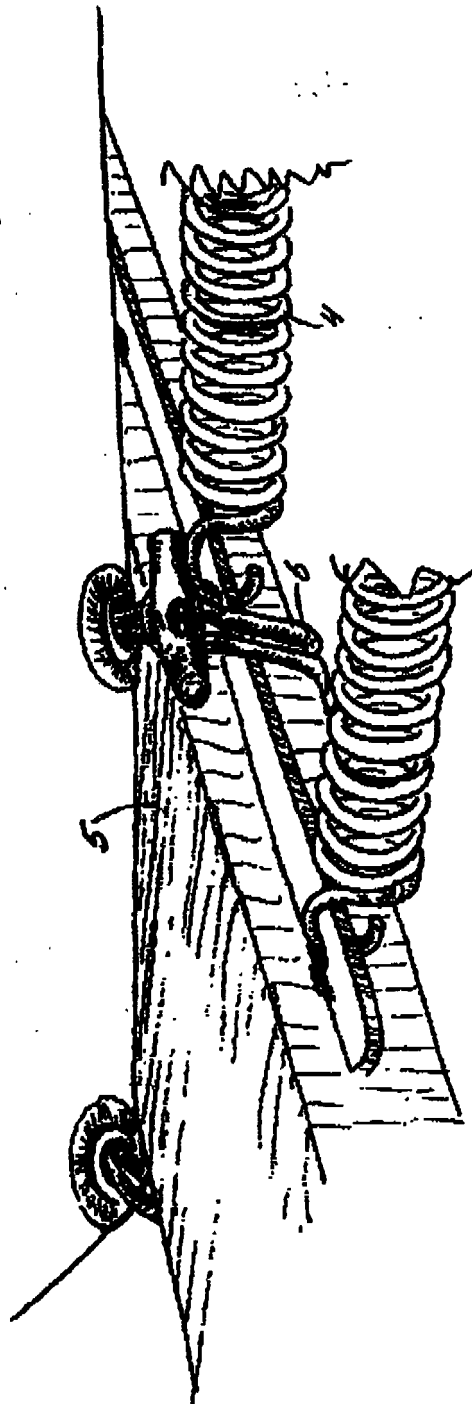


FIG. 3

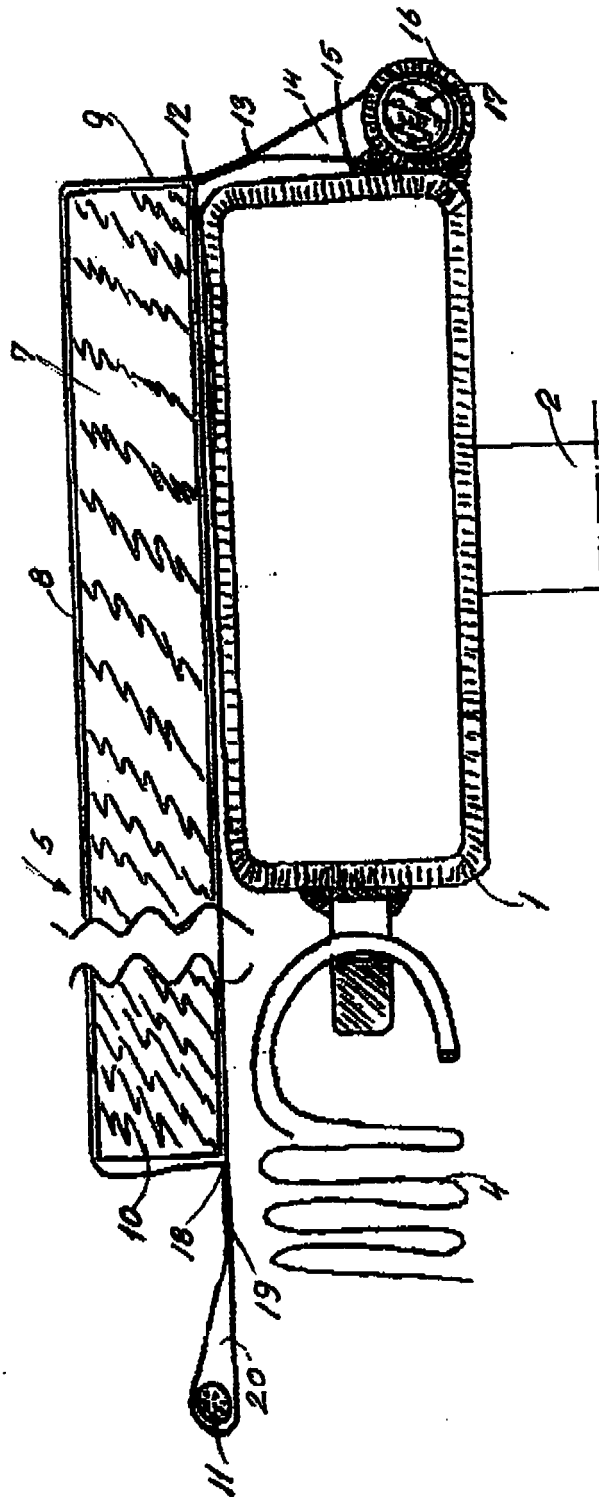
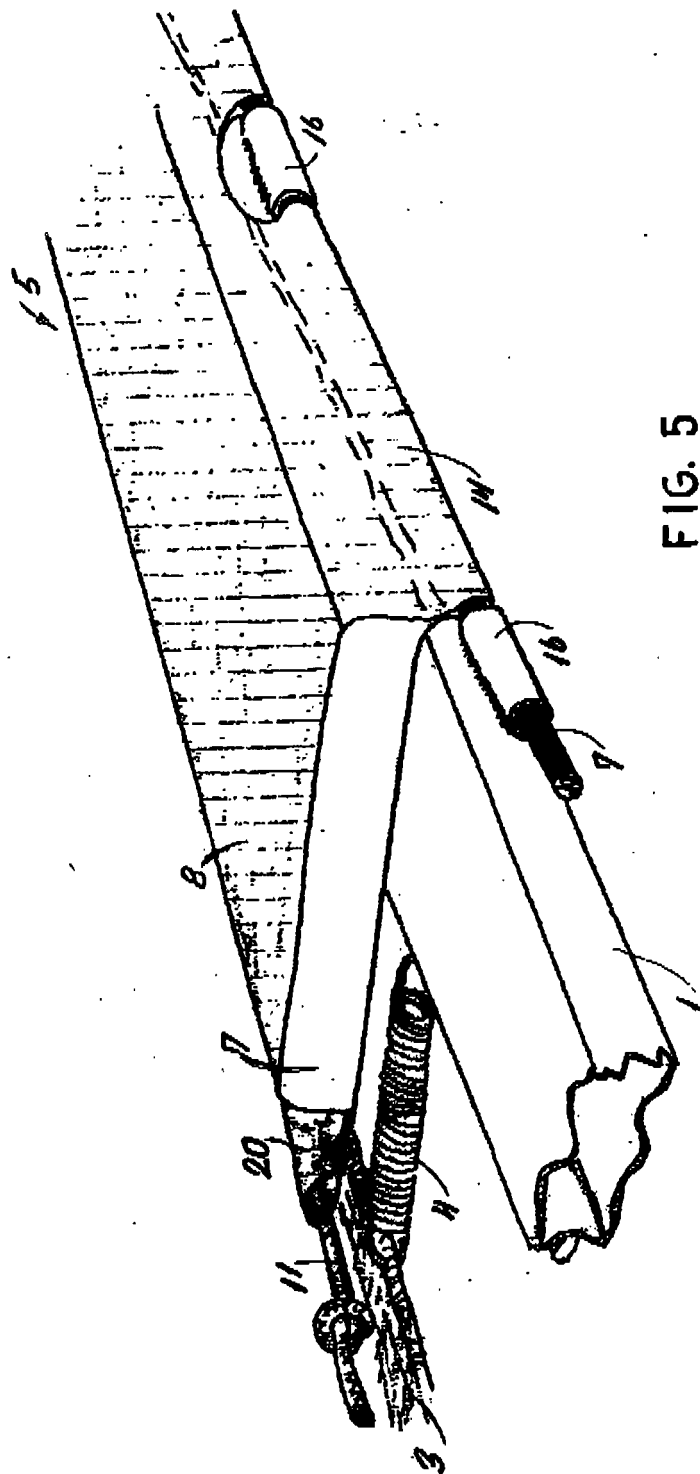


FIG. 4





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 07 00 8852

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 18 July 2007	Examiner Jekabsons, Armands
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 07 00 8852

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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